# SAFETY DATA SHEET

# Section 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier** 

Trade name or Molylube Multipurpose Extreme Pressure Grease with Moly 00

designation of the mixture

Product code 40881

**Registration number** 

**Synonyms** Molylube AC 1000 00

14-May-2011 Date of first issue

**Version number** 1,1

**Revision date** 20-December-2011 Supersedes date 03-November-2011

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available. Uses advised against None known. Details of the supplier of the safety data sheet

Bel-Ray Company, Inc.

Bel-Ray Europe S.A. Avenue Louise, 304

P.O. Box 526

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Europe: +32 (0) 2 201 18 87 CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

Europe Emergency: 112

### Section 2: Hazards identification

#### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R20/22

The full text for all R-phrases is displayed in section 16.

# Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards** 

Category 4 (% of the mixture consists of Harmful if swallowed. Acute toxicity, oral

ingredient(s) of unknown toxicity.)

Acute toxicity, inhalation Category 4 (% of the mixture consists of Harmful if inhaled.

ingredient(s) of unknown toxicity.)

Hazard summary

Physical hazards Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazards Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00 SDS EU 40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

Main symptoms Not available.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)



Signal word Warning

**Hazard statements** Harmful if swallowed. Harmful if inhaled.

**Precautionary statements** 

Prevention Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Response

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage Not available.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

Other hazards Not assigned.

# Section 3: Composition/information on ingredients

**Mixture** 

**General information** 

Chemical name			%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
	/drotrea	ited	0 - < 100	64742-52-5 265-155-0	-	649-465-00-7	#
Classification:	DSD:	-					
	CLP:	-					
Distillates (petroleum), hy heavy paraffinic	/drotrea	ited	0 - < 100	64742-54-7 265-157-1	-	649-467-00-8	#
Classification:	DSD:	-					
	CLP:	-					
Distillates (petroleum), so heavy paraffinic	olvent-re	efined	0 - < 100	64741-88-4 265-090-8	-	649-454-00-7	#
Classification:	DSD:	-					
	CLP:	-					
Lubricating Oils (petroleur Hydrotreated Spent	m),		0< 100	64742-58-1 265-161-3	-	-	#
Classification:	DSD:	-					
	CLP:	-					
Residual Oils (petroleum) Solvent-refined	ı		0 - < 100	64742-01-4 265-101-6	-	649-459-00-4	#
Classification:	DSD:	-					

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00

CLP: -

SDS EU 40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

CAS-No. / EC No. REACH Registration No. INDEX No. Chemical name % **Notes** White mineral oil (petroleum) 0 - < 1008042-47-5 # 232-455-8 Classification: DSD: -CLP: -Aluminum, (benzoato-o,o 3 - < 554326-11-3 # )hydroxy(octadecanoato-o,o )-259-105-7 Classification: DSD: -CLP: Antimony Tris[o,o-dipropyl] 1 - < 3 15874-48-3 051-003-00-9 # Tris(dithiophosphate) 240-001-5 Classification: **DSD:** Xn;R20/22, N;R51/53 CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411 Molybdenum Disulfide < 0,3 1317-33-5 215-263-9 Classification: DSD: -CLP: Carbon black < 0.21333-86-4 215-609-9 Classification: DSD: -

CLP:

1 - < 3

Other components below reportable

levels

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

**Composition comments** 

The full text for all R- and H-phrases is displayed in section 16.

#### Section 4: First aid measures

**General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

# **Description of first aid measures**

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

Most important symptoms and effects, both acute and delayed

Not available.

Indication of any immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

#### Section 5: Firefighting measures

General fire hazards Not available. **Extinguishing media** 

Suitable extinguishing

media

Water fog. Foam. Dry powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Not available.

**Advice for firefighters** 

Special protective equipment for firefighters

Wear suitable protective equipment.

Special firefighting

procedures

Not available.

#### Section 6: Accidental release measures

# Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth

and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

#### Section 7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for

warning.

Conditions for safe storage,

including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

Specific end use(s) Not available.

# Section 8: Exposure controls/personal protection

# **Control parameters**

# Occupational exposure limits

Austria. MAK List			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.
	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

SDS EU

Belgium. Exposure Limit Values. Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Mist.	

Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

5 mg/m3

Mist.

TWA

Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	

# Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	TWA	0,5 mg/m3	
(15874-48-3)			

#### Czech Republic OFLs Government Decree 36

Czech Republic. OELs. Governme			_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1,5 mg/m3	
	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Ceiling	1000 mg/m3	
	TWA	200 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	Ceiling	10 mg/m3	Aerosol

Czech Republic. OELs. Government E Components	Туре	Value	Form
	TWA	5 mg/m3	Aerosol
Residual Oils (petroleum), Solvent-refined	Ceiling	10 mg/m3	Aerosol
(64742-01-4)		_ , _	
Mhita minaral ail (natralaum	TWA	5 mg/m3	Aerosol
Vhite mineral oil (petroleum (8042-47-5)	Ceiling	10 mg/m3	Aerosol
(60.2 6)	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl]	TLV	0,5 mg/m3	101111
ris(dithiophosphate) 15874-48-3)	124	0,3 mg/m3	
Distillates (petroleum),	TLV	1 mg/m3	Mist.
nydrotreated heavy			
naphthenic (64742-52-5)	TIV	1 m = /== 2	Mict
Distillates (petroleum), nydrotreated heavy	TLV	1 mg/m3	Mist.
oaraffinic (64742-54-7)			
Distillates (petroleum),	TLV	1 mg/m3	Mist.
solvent-refined heavy paraffinic (64741-88-4)		<del>g</del> ,s	
Lubricating Oils (petroleum	TLV	1 mg/m3	Mist.
, Hydrotreated Spent (64742-58-1)		J	
Residual Oils (petroleum),	TLV	1 mg/m3	Mist.
Solvent-refined			
(64742-01-4)		4 4 9	NA:-+
	TLV	1 mg/m3	Mist.
(8042-47-5) Estonia. OELs. Occupational Exposur		-	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57)		-	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o thydroxy(octadecanoato-o,o	e Limit Values for Haza	rdous Substances (Minister	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3)	e Limit Values for Haza	rdous Substances (Minister Value	
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o l- (54326-11-3) Finland. Workplace Exposure Limits	e Limit Values for Haza	rdous Substances (Minister Value	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o	re Limit Values for Haza Type TWA	rdous Substances (Minister  Value  2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl]	re Limit Values for Hazar Type TWA Type	rdous Substances (Minister  Value 2 mg/m3  Value	of Social Affairs Regula
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) (54326-11-3) Aluminum, (benzoato-o,o ) (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	Type TWA  Type TWA  Type TWA	value 2 mg/m3  Value 2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o chydroxy(octadecanoato-o,o chydroxy(octadecanoato-	Type TWA  Type TWA  Type TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o b) (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o b) (bydroxy(octadecanoato-o,o b) (ctadecanoato-o,o c)	Type TWA  Type TWA  Type TWA	value 2 mg/m3  Value 2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o phydroxy(octadecanoato-o,o p- (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o phydroxy(octadecanoato-o,o phydroxy(octadecan	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o hydroxy(octadecan	Type TWA  Type TWA  Type TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o l- (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o hydroxy(octadecanoato-o,o l- (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy paphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Type TWA  Type TWA  TWA  TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy hydrotreated Spent	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated Spent (64742-58-1)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           Value         2 mg/m3           Value         2 mg/m3           0,5 mg/m3         5 mg/m3           5 mg/m3         5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy baraffinic (64742-54-7) Lubricating Oils (petroleum 1, Hydrotreated Spent 164742-58-1) Residual Oils (petroleum), Solvent-refined	Type TWA  Type TWA  TWA  TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy haraffinic (64742-54-7) Lubricating Oils (petroleum hydrotreated Spent (64742-58-1) Residual Oils (petroleum), Solvent-refined (64742-01-4)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1) Residual Oils (petroleum), Solvent-refined (64742-01-4) France. Threshold Limit Values (VLEI	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.
White mineral oil (petroleum ) (8042-47-5)  Estonia. OELs. Occupational Exposur No. 57)  Components  Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3)  Finland. Workplace Exposure Limits Components  Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3)  Antimony Tris[o,o-dipropyl]  Tris(dithiophosphate) (15874-48-3)  Distillates (petroleum), hydrotreated heavy papathenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)  Residual Oils (petroleum), Solvent-refined (64742-01-4)  France. Threshold Limit Values (VLEI Components  Antimony Tris[o,o-dipropyl]  Tris(dithiophosphate) (15874-48-3)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.

No exposure limits noted for the ingredient(s).

Greece. OELs (Decree No. 90/19		M-1.	F
Components Antimony Tricle o digrapul	Type	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy	TWA	5 mg/m3	Mist.
naphthenic (64742-52-5) Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum , Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on ( Components	Chemical Safety of Workplad Type	ces Value	Form
Antimony Tris[o,o-dipropyl]	STEL	2 mg/m3	
Fris(dithiophosphate) (15874-48-3)	0,12	g,c	
	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	Ceiling	5 mg/m3	Mist.
Lubricating Oils (petroleum , Hydrotreated Spent (64742-58-1)	Ceiling	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	Ceiling	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	Ceiling	5 mg/m3	Mist.
Iceland. OELs. Regulation 154/1 Components	999 on occupational exposu Type	ıre limits Value	Form
Aluminum, (benzoato-o,o	TWA	2 mg/m3	1 01111
hydroxy(octadecanoato-o,o - (54326-11-3)	1 4474	z mg/ms	
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Dust.
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	TWA	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
Lubricating Oils (petroleum , Hydrotreated Spent (64742-58-1)	TWA	1 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00

40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

Components	Туре	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	TWA	1 mg/m3	Mist.
reland. Occupational Exposure l omponents		Value	Form
<u> </u>	Туре		FOITH
ntimony Tris[o,o-dipropyl] ris(dithiophosphate)  5874-48-3)	TWA	0,5 mg/m3	
stillates (petroleum), drotreated heavy	TWA	0,2 mg/m3	Inhalable fraction.
aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy	TWA	0,2 mg/m3	Inhalable fraction.
araffinic (64742-54-7) istillates (petroleum), olvent-refined heavy	TWA	0,2 mg/m3	Inhalable fraction.
araffinic (64741-88-4) Ubricating Oils (petroleum Hydrotreated Spent	TWA	0,2 mg/m3	Inhalable fraction.
94742-58-1) esidual Oils (petroleum), olvent-refined 94742-01-4)	TWA	0,2 mg/m3	Inhalable fraction.
/hite mineral oil (petroleum (8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.
taly. OELs			
omponents	Туре	Value	Form
uminum, (benzoato-o,o ydroxy(octadecanoato-o,o (54326-11-3)	TWA	1 mg/m3	Respirable fraction.
ntimony Tris[o,o-dipropyl] is(dithiophosphate) 5874-48-3)	TWA	0,5 mg/m3	
stillates (petroleum), /drotreated heavy aphthenic (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
stillates (petroleum), olvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Inhalable fraction.
hite mineral oil (petroleum	TWA	5 mg/m3	Inhalable fraction.

### Latvia

) (8042-47-5)

No exposure limits noted for the ingredient(s).

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Fume and mist.
,	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
Laurenteran	TWA	1 mg/m3	Fume and mist.

#### Luxembourg

No exposure limits noted for the ingredient(s).

No exposure limits noted for the ingredient(s).

Netherlands. OELs (binding	Netherla	ands.	<b>OELs</b>	(binding)
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Туре	Value	Form
TWA	0,5 mg/m3	
TWA	5 mg/m3	Mist.
	TWA TWA TWA TWA TWA TWA	TWA 0,5 mg/m3  TWA 5 mg/m3

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TLV	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components         Type         Value         Form           Antininory Tirs[odipropyl]         TWA         0.5 mg/m3         Aerosol           Trisc(diriughrosphate)         TSC         10 mg/m3         Aerosol           Orisidates (petroleum)         TWA         5 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Postillates (petroleum)         STEL         10 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Distillates (petroleum)         STEL         10 mg/m3         Aerosol           Sobent-refined Chazey         TWA         5 mg/m3         Aerosol           Lubricating Olis (petroleum)         STEL         10 mg/m3         Aerosol           Value         TWA         5 mg/m3         Aerosol           Value         TWA         5 mg/m3	in Working Environment						
Trisk dimbinophosphate)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-158-158-158-158-158-158-158-158-158-158	Components	Туре	Value	Form			
Distillates (petroleum), prophenic (64742-52-5)   TWA	Tris(dithiophosphate)	TWA	0,5 mg/m3				
TWA	Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	Aerosol			
Distillates (petroleum), hydrotreated heavy parelfinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64741-88-4)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-1)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-1)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy	Haphthelic (04742-32-3)	Τ\//Δ	5 ma/m3	Aerosol			
TWA	hydrotreated heavy						
Distillates (petroleum), paraffinic (64741-88-4)         STEL         10 mg/m3         Aerosol           Solvent-refined (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           NHydrotreated Spent (64742-58-1)         TWA         5 mg/m3         Aerosol           Residual Oils (petroleum), STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Ville mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Value         Form           Value         Form           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         10 mg/m3         Aerosol	paramilic (04742-54-7)	Τ\Λ/Λ	5 ma/m <sup>3</sup>	Aorosol			
Lubricating Oils (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-58-1)           N. Hydrotreaded Spent (64742-58-1)         TWA         5 mg/m3         Aerosol (PAP2-58-1)           Residual Oils (petroleum)         STEL         10 mg/m3         Aerosol (PAP2-01-4)           White mineral oil (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-01-4)           White mineral oil (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-01-4)           TWA         5 mg/m3         Aerosol (PAP2-01-4)           TWA         0.5 mg/m3         Aerosol (PAP2-01-4)           TWA         5 mg/m3         Aerosol (PAP2-01-4) <td <="" colspan="3" td=""><td>solvent-refined heavy</td><td></td><td>_</td><td></td></td>	<td>solvent-refined heavy</td> <td></td> <td>_</td> <td></td>			solvent-refined heavy		_	
Mydotroated Spent (64742-58-1)		TWA	5 mg/m3	Aerosol			
Residual Oils (petroleum), STEL         STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (petroleum)         TWA         5 mg/m3         Aerosol           Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)           Components         Type         Value         Form           Acrosol           National State (MP 1796)         To mg/m3         Aerosol           Acrosol           Tisk(dihiophosphate)         TSEL         10 mg/m3         Aerosol           Nydrotreated heavy           paraffinic (64742-55-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol	), Hydrotreated Spent	STEL	10 mg/m3	Aerosol			
Solvent-refined (64742-01-4)		TWA	5 mg/m3	Aerosol			
TWA	Solvent-refined	STEL	10 mg/m3	Aerosol			
White mineral oil (petroleum   STEL   10 mg/m3   Aerosol   (8042-47-5)   TWA   5 mg/m3   Aerosol   Aerosol   Aerosol   TWA   5 mg/m3   Aerosol	•	TWA	5 ma/m3	Aerosol			
Name							
Components         Type         Value         Form           Antmony Tris(o,o-dipropyl)         TWA         0,5 mg/m3         TWA           Tris(dithiophosphate)         TWA         0,5 mg/m3         Aerosol           Ustillates (petroleum), hydrotreated heavy naphtenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Solvent-refined (64742-58-1)         TWA         5 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (		TWA	5 mg/m3	Aerosol			
Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), purporterated heavy naphthenic (64742-52-5)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64742-54-7)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-79)  White mineral oil (petroleum) STEL 10 mg/m3 Aerosol Negroreated Negroreated Negroreated Spent (64742-75)  TWA 5 mg/m3 Aerosol Negroreated Negrore				Form			
Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), purporterated heavy naphthenic (64742-52-5)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64742-54-7)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-79)  White mineral oil (petroleum) STEL 10 mg/m3 Aerosol Negroreated Negroreated Negroreated Spent (64742-75)  TWA 5 mg/m3 Aerosol Negroreated Negrore	Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3				
hydrotreated heavy naphthenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           ), Hydrotreated Spent (64742-58-1)         TWA         5 mg/m3         Aerosol           Residual Oils (petroleum), STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components         Type         Value           Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol	Tris(dithiophosphate) (15874-48-3)		-				
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64742-58-1)   TWA   5 mg/m3   Aerosol solvent-refined key paraffinic (64742-58-1)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (78042-47-5)   TWA   5 mg/m3   Aerosol solvent-refined (78042-52-5)   Aer	hydrotreated heavy	STEL	10 mg/m3	Aerosol			
Nydrotreated heavy   paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol		TWA	5 mg/m3	Aerosol			
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol	hydrotreated heavy	STEL	10 mg/m3	Aerosol			
Solvent-refined heavy   parafffinic (64741-88-4)   TWA   5 mg/m3   Aerosol		TWA	5 mg/m3	Aerosol			
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol  STEL 10 mg/m3 Aerosol  Residual Oils (petroleum), STEL 10 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Province Type  TWA TWA TWA TWA TWA TWA TWA TWA TWA TW	solvent-refined heavy	STEL	10 mg/m3	Aerosol			
), Hydrotreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Residual Oils (petroleum), STEL 10 mg/m3 Aerosol Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)							
Residual Oils (petroleum), STEL 10 mg/m3 Aerosol Solvent-refined (64742-01-4) TWA 5 mg/m3 Aerosol White mineral oil (petroleum) TWA 5 mg/m3 Aerosol White mineral oil (petroleum) TWA 5 mg/m3 Aerosol (8042-47-5) TWA 5 mg/m3 Aerosol TWA 5 mg/m3 Aerosol Distillates (petroleum), hydrotreated heavy paraffinic (64742-52-5) TWA 5 mg/m3 TWA 5 mg/m3 Aerosol Distillates (petroleum), STEL 10 mg/m3 TWA 5 mg/m3 Aerosol Distillates (petroleum), STEL 10 mg/m3	), Hydrotreated Spent	STEL	10 mg/m3	Aerosol			
Residual Oils (petroleum), Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3 Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	,	TWA	5 ma/m3	Aerosol			
White mineral oil (petroleum STEL 10 mg/m3 Aerosol 10 mg/m3 Ng/m3 Distillates (petroleum), STEL 10 mg/m3 Ng/m3 Ng/m	Solvent-refined			Aerosol			
White mineral oil (petroleum ) (8042-47-5) TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5) TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3	•	TWA	5 mg/m3	Aerosol			
Romania. OELs. Protection of workers from exposure to chemical agents at the workplace  Components Type Value  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy naphthenic (64742-52-5) TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)		STEL	10 mg/m3	Aerosol			
ComponentsTypeValueDistillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)STEL10 mg/m3TWA5 mg/m3Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)STEL10 mg/m3		TWA	5 mg/m3	Aerosol			
hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)				ce			
TWA 5 mg/m3 Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)	hydrotreated heavy	STEL	10 mg/m3				
Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)	naphthenic (64742-52-5)						
paraffinic (64742-54-7)							
		TWA	5 mg/m3				

Components	Туре	Value	
Distillates (petroleum), olvent-refined heavy	STEL	10 mg/m3	
paraffinic (64741-88-4)			
	TWA	5 mg/m3	
Lubricating Oils (petroleum , Hydrotreated Spent	STEL	10 mg/m3	
64742-58-1)			
	TWA	5 mg/m3	
Residual Oils (petroleum), olvent-refined	STEL	10 mg/m3	
64742-01-4)		_ , _	
White mineral all (notroleum	TWA	5 mg/m3	
White mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Slovakia. OELs. Decree of the gov chemical agents	ernment of the Slovak Rep	oublic concerning protection	of health in work with
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1 mg/m3	Total dust.
•	TWA	0,5 mg/m3	Total dust.
White mineral oil (petroleum (8042-47-5)	TWA	5 mg/m3	Aerosol
Slovenia. OELs. Regulations cond working (Official Gazette of the I	Republic of Slovenia)		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Inhalable fraction.
Spain. Occupational Exposure Lir Components	nits Type	Value	Form
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
ris(dithiophosphate) 15874-48-3)		o <sub>i</sub> o mg/me	
Distillates (petroleum),	STEL	10 mg/m3	Mist.
hydrotreated heavy haphthenic (64742-52-5)		· · · · · · · · · · · · ·	
	TWA	5 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy	STEL	10 mg/m3	Mist.
paraffinic (64742-54-7)			
S	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
ubricating Oils (petroleum , Hydrotreated Spent 64742-58-1)	STEL	10 mg/m3	Mist.
, <del> ,</del>	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	Mist.
01, 12 01 7)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
) (8042-47-5)  Sweden. Occupational Exposure		5 mg/m3	Mist.

Components

)- (54326-11-3)

Aluminum, (benzoato-o,o

)hydroxy(octadecanoato-o,o

Type

TWA

Value

1 mg/m3

Form

Total dust.

Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Mist.	
,	TWA	1 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	

#### **Switzerland**

No exposure limits noted for the ingredient(s).

# UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	

Tris(dithiophosphate) (15874-48-3)

#### EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

## **Biological limit values**

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

# Finland

No biological exposure limits noted for the ingredient(s).

#### France

No biological exposure limits noted for the ingredient(s).

#### Luxembourg

No biological exposure limits noted for the ingredient(s).

#### Spain

No biological exposure limits noted for the ingredient(s).

### **United Kingdom**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring** 

procedures

Follow standard monitoring procedures.

**DNEL** Not available. **PNEC** Not available.

**Exposure controls** 

Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

# Individual protection measures, such as personal protective equipment

**General information** Not available.

Eye/face protection Not normally needed.

Skin protection

- Hand protection Not normally needed.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00

SDS EU 40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

Hygiene measures When using, do not eat, drink or smoke. Wash hands after handling and before eating. Handle in

accordance with good industrial hygiene and safety practices.

**Environmental exposure** 

controls

Not available

#### Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Oily.

Physical state Liquid.

Form Grease
Colour Black.

Odour Petroleum

Odour threshold Not available.
pH Not applicable.

Melting point/freezing

point

Not available.

Boiling point, initial boiling point, and boiling

range

360 °C (680 °F) estimated

Flash point 214 °C (417,2 °F) Pensky-Martens Closed Cup (Base Oil)

**Auto-ignition** 260 °C (500 °F) estimated

temperature

Flammability (solid, gas) Not available.
Flammability limit - lower Not available.

(%)

Flammability limit - Not

upper (%)

Not available.

Oxidising properties

Explosive properties

Not applicable.

Explosive limit

Vapour pressure

Density

Vapour density

Evaporation rate

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Vapour density

Evaporation rate

Relative density

Solubility (water)

Not applicable
Not available.
Negligible

Oil

Information on basic physical and chemical properties

Partition coefficient Not available.

(n-octanol/water)

**Decomposition** Not available.

temperature

Bulk densityNot applicable.Pour pointNot applicable.

Viscosity 150 cSt

**Viscosity temperature** 40 °C (104 °F) ASTM D445

VOC (Weight %) 0,04 % estimated
Percent volatile 0,04 % estimated

Other data

**Drop point** 244 °C (471,2 °F)

Flammability class Combustible IIIB estimated

Specific gravity 0,89

**Other information** No relevant additional information available.

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### Section 10: Stability and reactivity

Reactivity None known. Strong oxidizing agents. Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Not available.

Conditions to avoid Avoid temperatures exceeding the flash point.

Incompatible materials None known.

Hazardous decomposition

products

No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

# **Section 11: Toxicological information**

**General information** Not available. Information on likely routes of exposure

Ingestion Harmful if swallowed. Harmful if inhaled. Inhalation Skin contact Not available. Eye contact Not available. **Symptoms** Not available.

Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Serious eye damage/eye

irritation

Not available.

Not available. Respiratory sensitisation Not available. Skin sensitisation Germ cell mutagenicity Not available. Carcinogenicity Not available.

## IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available. Specific target organ Not available

toxicity - single exposure

Specific target organ toxicity - repeated

Not available.

exposure

**Aspiration hazard** 

Mixture versus substance information

Not available. Not available.

Other information Not available.

# Section 12: Ecological information

#### **Toxicity**

**Test results** EC50 Daphnia: 36222,22 mg/l 48 hours estimated

Molylube Multipurpose Extreme Pressure Grease with Moly 00

(Mixture)

Product

LC50 Fish: 68326,02 mg/l 96 hours estimated

No data is available on the degradability of this product. Persistence and

degradability

Not available.

**Bioaccumulative** potential

Not available. Mobility **Environmental fate -**Not available.

Partition coefficient

Mobility in soil Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Results of PBT and vPvB assessment Not available.

Other adverse effects Not available.

# **Section 13: Disposal considerations**

Waste treatment methods

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

**EU waste code**The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal

methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### **Section 14: Transport information**

#### **ADR**

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

## **Section 15: Regulatory information**

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations** 

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

#### Section 16: Other information

List of abbreviationsNot available.ReferencesNot available.Information on evaluationNot available.

method leading to the classification of mixture

ivot avallable.

Full text of any statements or R-phrases and H-phrases R20/22 Harmful by inhalation and if swallowed.

under Sections 2 to 15

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H302 - Harmful if swallowed.

H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

**Revision information** IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Training information** Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00

40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

**Disclaimer** Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

Issue date20-December-2011Revision date20-December-2011Print date20-December-2011

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 00 40881 Version No.: 1,1 Revision date: 20-December-2011 Print date: 20-December-2011

# SAFETY DATA SHEET

# Section 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier** 

Trade name or Molylube Multipurpose Extreme Pressure Grease with Moly 0

designation of the mixture

Product code 40890

**Registration number** 

**Synonyms** Molylube AC 1000 0

14-May-2011 Date of first issue

**Version number** 1,1

**Revision date** 13-December-2011 Supersedes date 03-November-2011

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available. Uses advised against None known. Details of the supplier of the safety data sheet

> Bel-Ray Company, Inc. Bel-Ray Europe S.A. Avenue Louise, 304 P.O. Box 526

Farmingdale, NJ 07727 Bruxelles-Brussel, B-1050

Belgium

United States of America +1 732 938 2421 +32 (0) 2 540 84 52

Europe: +32 (0) 2 201 18 87 CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

Europe Emergency: 112

### Section 2: Hazards identification

#### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R20/22

The full text for all R-phrases is displayed in section 16.

# Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards** 

Category 4 (% of the mixture consists of Harmful if swallowed. Acute toxicity, oral

ingredient(s) of unknown toxicity.)

Acute toxicity, inhalation Category 4 (% of the mixture consists of Harmful if inhaled.

ingredient(s) of unknown toxicity.)

Hazard summary

Physical hazards Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazards Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0 SDS EU 40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

Main symptoms Not available.

Label elements

# Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)



Signal word Warning

**Hazard statements** Harmful if swallowed. Harmful if inhaled.

**Precautionary statements** 

**Prevention** Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well-ventilated area.

**Response** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CAS-No. / EC No. REACH Registration No. INDEX No.

CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage Not available.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

%

Other hazards Not assigned.

# Section 3: Composition/information on ingredients

#### **Mixture**

#### **General information**

**Chemical name** 

				. Itzriori itogioti ationi ito		110100
Distillates (petroleum), h heavy naphthenic	hydrotreat	ted 0 - < 10	0 64742-52-5 265-155-0	-	649-465-00-7	#
Classification:	DSD:	-				
	CLP:	-				
Distillates (petroleum), h heavy paraffinic	hydrotreat	ted 0 - < 10	0 64742-54-7 265-157-1	-	649-467-00-8	#
Classification:	DSD:	-				
	CLP:	-				
Distillates (petroleum), s heavy paraffinic	solvent-re	fined 0 - < 10	0 64741-88-4 265-090-8	-	649-454-00-7	#
Classification:	DSD:	-				
	CLP:	-				
Lubricating Oils (petrole Hydrotreated Spent	um),	0< 100	64742-58-1 265-161-3	-	-	#
Classification:	DSD:	-				
	CLP:	-				
White mineral oil (petrol	leum)	0 - < 10	0 8042-47-5 232-455-8	-	-	#
Classification:	DSD:	-				

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0

CLP: -

40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

Notes

CAS-No. / EC No. REACH Registration No. INDEX No. Chemical name % **Notes** 

Aluminum, (benzoato-o,o 5 - < 1054326-11-3 #

)hydroxy(octadecanoato-o,o )-

259-105-7

Classification: DSD: -

CLP:

Antimony Tris[o,o-dipropyl] 15874-48-3 051-003-00-9 1 - < 3#

Tris(dithiophosphate) 240-001-5

Classification: **DSD:** Xn;R20/22, N;R51/53

Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411

Molybdenum Disulfide < 0,3 1317-33-5

215-263-9

215-609-9

Classification: DSD: -

CLP:

Carbon black < 0.21333-86-4

Classification: DSD: -

CLP:

Other components below reportable 1 - < 3

levels

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

#### Section 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately

(show the label where possible).

Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

> artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

Most important symptoms and effects, both acute and

delayed

Not available.

Indication of any immediate medical attention and special

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

treatment needed

## Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

Suitable extinguishing Water fog. Foam. Dry powder. Carbon dioxide (CO2).

media

Unsuitable extinguishing Water. Do not use water jet as an extinguisher, as this will spread the fire.

media

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0 40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011 Special hazards arising from the substance or mixture

Not available.

**Advice for firefighters** 

Special protective equipment for firefighters

Wear suitable protective equipment.

Special firefighting

procedures

Not available.

#### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

Environmental precautions

Methods and material for

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

# Section 7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.

Value

SDS EU

Conditions for safe storage,

including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

**Specific end use(s)**Not available.

#### Section 8: Exposure controls/personal protection

# **Control parameters**

#### Occupational exposure limits

Austria.	МЛЛИ	Lict
Austria.	IVIAK	LIST

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.
	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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Belgium. Exposure Limit Values. Components	Туре	Value	Form
Distillates (petroleum),	STEL	10 mg/m3	Mist.
olvent-refined heavy	- ·		
araffinic (64741-88-4)			
	TWA	5 mg/m3	Mist.
ubricating Oils (petroleum	STEL	10 mg/m3	Mist.
, Hydrotreated Spent			
64742-58-1)	Τ\Λ/Λ	E ma/m2	Mict
Vhite mineral oil (petroleum	TWA STEL	5 mg/m3 10 mg/m3	Mist. Mist.
(8042-47-5)	JILL	io ilig/ilis	IVIIST.
X/	TWA	5 mg/m3	Mist.
sulgaria. OELs. Regulation No 13 of		•	
vorkers related to exposure to chen		a onog, with williatry of H	oattii, oii protection o
omponents	Туре	Value	
ntimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
ris(dithiophosphate)		=,=g9	
5874-48-3)			
istillates (petroleum),	TWA	5 mg/m3	
ydrotreated heavy			
aphthenic (64742-52-5)	T\A/A	F / 0	
istillates (petroleum),	TWA	5 mg/m3	
ydrotreated heavy araffinic (64742-54-7)			
pistillates (petroleum),	TWA	5 mg/m3	
olvent-refined heavy		5g, 1110	
araffinic (64741-88-4)			
ubricating Oils (petroleum	TWA	5 mg/m3	
Hydrotreated Spent			
54742-58-1)			
Vhite mineral oil (petroleum	TWA	5 mg/m3	
(8042-47-5)			
Syprus. OELs. Control of factory atm Imended.	osphere and dangerous	substances in factories reg	ulation, PI 311/73, as
menaea. omponents	Туре	Value	
ntimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
ris(dithiophosphate)	IVVA	o,5 mg/ms	
5874-48-3)			
zech Republic. OELs. Government I	Decree 361		
omponents	Туре	Value	Form
ntimony Tris[o,o-dipropyl]	Ceiling	1,5 mg/m3	
ris(dithiophosphate)	<del>-</del>	- ,gs	
ισταιτι πολιτισολιτιατ <i>ε)</i>			
5874-48-3)	TWA	0,5 mg/m3	
5874-48-3) istillates (petroleum),	TWA Ceiling	0,5 mg/m3 1000 mg/m3	
istillates (petroleum), ydrotreated heavy		· · · · · · · · · · · · · · · · · · ·	
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5)	Ceiling	1000 mg/m3	
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5)	Ceiling TWA	1000 mg/m3 200 mg/m3	Aoracal
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum),	Ceiling	1000 mg/m3	Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy	Ceiling TWA	1000 mg/m3 200 mg/m3	Aerosol
istillates (petroleum), ydrotreated heavy	Ceiling TWA Ceiling	1000 mg/m3 200 mg/m3 10 mg/m3	Aerosol Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7)	Ceiling  TWA  Ceiling  TWA	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3	
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum	Ceiling TWA Ceiling	1000 mg/m3 200 mg/m3 10 mg/m3	Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum Hydrotreated Spent	Ceiling  TWA  Ceiling  TWA	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3	Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum Hydrotreated Spent 64742-58-1)	Ceiling  TWA Ceiling  TWA Ceiling  TWA	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum Hydrotreated Spent 64742-58-1) //hite mineral oil (petroleum	Ceiling  TWA Ceiling  TWA Ceiling	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Aerosol Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum Hydrotreated Spent 64742-58-1)	Ceiling  TWA Ceiling  TWA Ceiling  TWA Ceiling	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 10 mg/m3	Aerosol Aerosol Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) abricating Oils (petroleum Hydrotreated Spent 4742-58-1) Ihite mineral oil (petroleum (8042-47-5)	Ceiling  TWA Ceiling  TWA Ceiling  TWA	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Aerosol Aerosol
istillates (petroleum), ydrotreated heavy aphthenic (64742-52-5) istillates (petroleum), ydrotreated heavy araffinic (64742-54-7) ubricating Oils (petroleum Hydrotreated Spent 44742-58-1) //hite mineral oil (petroleum	Ceiling  TWA Ceiling  TWA Ceiling  TWA Ceiling	1000 mg/m3 200 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 10 mg/m3	Aerosol Aerosol Aerosol

Value

0,5 mg/m3

Form

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0

Components

Antimony Tris[o,o-dipropyl]

Tris(dithiophosphate) (15874-48-3)

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Type

TLV

Denmark. Exposure Limit Values					
Components	Туре	Value	Form		
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TLV	1 mg/m3	Mist.		
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.		
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.		

#### Estonia. OELs. Occupational Exposure Limit Values for Hazardous Substances (Minister of Social Affairs Regulation No. 57)

1 mg/m3

Mist.

Components	Туре	Value	
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	2 mg/m3	

#### Finland. Workplace Exposure Limits

White mineral oil (petroleum

) (8042-47-5)

Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	2 mg/m3	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.

#### France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components Type Value

Antimony Tris[o,o-dipropyl]	VME	0,5 mg/m3
Tris(dithiophosphate)		_
(15874-48-3)		

TLV

# Germany

No exposure limits noted for the ingredient(s).

#### Germany - TRGS 900

No exposure limits noted for the ingredient(s).

# Greece. OELs (Decree No. 90/1999, as amended)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0

SDS EU 40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

Greece. OELs (Decree No. 90/1999 Components	Туре	Value	Form
Vhite mineral oil (petroleum (8042-47-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on Che Components	emical Safety of Workplad Type	ces Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) 15874-48-3)	STEL	2 mg/m3	
Distillates (petroleum), hydrotreated heavy	TWA Ceiling	0,5 mg/m3 5 mg/m3	Mist.
aphthenic (64742-52-5) Distillates (petroleum), Bydrotreated heavy Baraffinic (64742-54-7)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), olvent-refined heavy paraffinic (64741-88-4)	Ceiling	5 mg/m3	Mist.
ubricating Oils (petroleum , Hydrotreated Spent 64742-58-1)	Ceiling	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	Ceiling	5 mg/m3	Mist.
celand. OELs. Regulation 154/199 Components	9 on occupational exposu Type	ıre limits Value	Form
Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3)	TWA	2 mg/m3	
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) 15874-48-3)	TWA	0,5 mg/m3	Dust.
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	TWA	1 mg/m3	Mist.
Distillates (petroleum), olvent-refined heavy paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
ubricating Oils (petroleum , Hydrotreated Spent 64742-58-1)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure Lin Components	nits Type	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), pydrotreated heavy paraffinic (64742-54-7)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), olvent-refined heavy paraffinic (64741-88-4)	TWA	0,2 mg/m3	Inhalable fraction.
ubricating Oils (petroleum , Hydrotreated Spent 64742-58-1)	TWA	0,2 mg/m3	Inhalable fraction.
White mineral oil (petroleum	TWA	0,2 mg/m3	Inhalable fraction.

Italy. OELs			
Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	Respirable fraction.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Inhalable fraction.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

#### Latvia

No exposure limits noted for the ingredient(s).

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Fume and mist.
•	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

# Luxembourg

No exposure limits noted for the ingredient(s).

#### Malta

No exposure limits noted for the ingredient(s).

#### Netherlands. OELs (binding)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.

Norway. Administrative Norms Components	for Contaminants in the W Type	orkplace Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TLV	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.
Poland. MACs. Minister of Labo in Working Environment	our and Social Policy Regard	ling Maximum Allowable Conc	entrations and Intensities
Components	Туре	Value	Form

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Aerosol
•	TWA	5 mg/m3	Aerosol
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Aerosol

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Portugal. VLEs. Norm on occupat Components	Type	Value	Form
	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of wo Components	rkers from exposure to che Type	mical agents at the workpla Value	ice
Distillates (petroleum),	STEL	10 mg/m3	
hydrotreated heavy naphthenic (64742-52-5)			
	TWA	5 mg/m3	
Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	
paraffinic (64742-54-7)	T\0/0	E ma/m2	
Distillatos (notroloum)	TWA STEL	5 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	SIEL	10 mg/m3	
	TWA	5 mg/m3	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	
(04742 30 1)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	
,	TWA	5 mg/m3	
Slovakia. OELs. Decree of the go	vernment of the Slovak Rep	public concerning protection	of health in work with
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1 mg/m3	Total dust.
	TWA	0,5 mg/m3	Total dust.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Aerosol
Slovenia. OELs. Regulations condworking (Official Gazette of the l		rs against risks due to expo	sure to chemicals while
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Inhalable fraction.
Spain. Occupational Exposure Lii	mits		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
11aDHUHEHIC (04/42-52-5)			

5 mg/m3

10 mg/m3

5 mg/m3

10 mg/m3

5 mg/m3

10 mg/m3

5 mg/m3

10 mg/m3

5 mg/m3

Mist.

Mist.

Mist.

Mist.

Mist.

Mist.

Mist.

Mist.

Mist.

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Distillates (petroleum),

Distillates (petroleum),

Lubricating Oils (petroleum

White mineral oil (petroleum

solvent-refined heavy paraffinic (64741-88-4)

), Hydrotreated Spent

(64742-58-1)

) (8042-47-5)

hydrotreated heavy paraffinic (64742-54-7) TWA

STEL

TWA

STEL

**TWA** 

**STEL** 

TWA

**STEL** 

TWA

Sweden. Occupational Exposure Limit Values				
Components	Туре	Value	Form	
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	Total dust.	
Distillates (petroleum), hydrotreated heavy	STEL	3 mg/m3	Mist.	

)hydroxy( )- (54326	octadecanoato-o,o -11-3)		•		
hydrotrea	(petroleum), ted heavy ic (64742-52-5)	STEL	3 mg/m3	Mist.	
	(	TWA	1 mg/m3	Mist.	
hydrotrea	(petroleum), ted heavy (64742-54-7)	STEL	3 mg/m3	Mist.	
paramine	(04/42/04//)	TWA	1 mg/m3	Mist.	
solvent-re	(petroleum), fined heavy (64741-88-4)	STEL	3 mg/m3	Mist.	
	(	TWA	1 mg/m3	Mist.	
	g Oils (petroleum eated Spent 3-1)	STEL	3 mg/m3	Mist.	
•	•	TWA	1 mg/m3	Mist.	
White mir ) (8042-4	neral oil (petroleum 7-5)	STEL	3 mg/m3	Mist.	
		TWA	1 mg/m3	Mist.	

#### **Switzerland**

No exposure limits noted for the ingredient(s).

# UK. EH40 Workplace Exposure Limits (WELs)

Components	Туре	Value	
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
Tris(dithiophosphate)		_	

Tris(dithiophosphate) (15874-48-3)

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

#### **Biological limit values**

#### EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

#### **Finland**

No biological exposure limits noted for the ingredient(s).

#### France

No biological exposure limits noted for the ingredient(s).

#### Luxembourg

No biological exposure limits noted for the ingredient(s).

#### **Spain**

No biological exposure limits noted for the ingredient(s).

#### **United Kingdom**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring** 

procedures

Follow standard monitoring procedures.

**DNEL** Not available. **PNEC** Not available.

**Exposure controls** 

Appropriate engineering

Provide adequate general and local exhaust ventilation.

controls

### Individual protection measures, such as personal protective equipment

**General information** Not available.

**Eye/face protection** Not normally needed.

**Skin protection** 

- Hand protection Not normally needed.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

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**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

Hygiene measures When using, do not eat, drink or smoke. Wash hands after handling and before eating. Handle in

accordance with good industrial hygiene and safety practices.

214 °C (417,2 °F) Pensky-Martens Closed Cup (Base Oil)

**Environmental exposure** 

controls

### Section 9: Physical and chemical properties

Information on basic physical and chemical properties

**Appearance** Oily. **Physical state** Liquid. **Form** Grease Colour Black. Odour Petroleum **Odour threshold** Not available. Not applicable. pН

point

Boiling point, initial

Melting point/freezing

boiling point, and boiling

range

**Auto-ignition** 260 °C (500 °F) estimated

temperature

Flash point

Flammability (solid, gas) Flammability limit - lower

(%)

Not available. Not available.

Not available.

360 °C (680 °F) estimated

Flammability limit -

upper (%)

Not available.

Not applicable. **Oxidising properties Explosive properties** Not applicable. **Explosive limit** Not applicable. Vapour pressure 0 hPa estimated Density 886 kg/m3

Vapour density Not applicable. **Evaporation rate** Not applicable. Not available. Relative density Solubility (water) Negligible Solubility (other) Oil

Information on basic physical and chemical properties

**Partition coefficient** 

(n-octanol/water)

Not available.

Decomposition temperature

Not available.

Not applicable. **Bulk density** Not applicable. Pour point

**Viscosity** 150 cSt

40 °C (104 °F) ASTM D445 Viscosity temperature

VOC (Weight %) 0,04 % estimated Percent volatile 0,04 % estimated

Other data

250 °C (482 °F) **Drop point** 

Flammability class Combustible IIIB estimated

Specific gravity

Other information No relevant additional information available.

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### Section 10: Stability and reactivity

Reactivity None known. Strong oxidizing agents. Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Not available.

Conditions to avoid Avoid temperatures exceeding the flash point.

Incompatible materials None known.

Hazardous decomposition

products

No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

# **Section 11: Toxicological information**

**General information** Not available. Information on likely routes of exposure

Ingestion Harmful if swallowed. Harmful if inhaled. Inhalation Skin contact Not available. Eye contact Not available. **Symptoms** Not available.

Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Not available. Serious eye damage/eye

irritation

Not available. Respiratory sensitisation Not available. Skin sensitisation Germ cell mutagenicity Not available. Carcinogenicity Not available.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available. Specific target organ Not available

toxicity - single exposure

Specific target organ toxicity - repeated

Not available.

exposure

**Aspiration hazard** 

information

Not available.

Mixture versus substance Not available.

Other information Not available.

#### Section 12: Ecological information

#### **Toxicity**

Product **Test results** EC50 Daphnia: 36222,22 mg/l 48 hours estimated

Molylube Multipurpose Extreme Pressure Grease with Moly 0

(Mixture)

LC50 Fish: 68326,02 mg/l 96 hours estimated

No data is available on the degradability of this product. Persistence and

degradability

Not available.

**Bioaccumulative** potential

Not available. Mobility **Environmental fate -**Not available.

Partition coefficient

Mobility in soil Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Results of PBT and vPvB assessment

Not available.

Other adverse effects Not available.

# Section 13: Disposal considerations

Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal

methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 14: Transport information

#### **ADR**

Not regulated as dangerous goods.

Not regulated as dangerous goods.

**ADN** 

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

# **Section 15: Regulatory information**

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations** 

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

#### Section 16: Other information

List of abbreviations Not available. References Not available. Information on evaluation Not available.

method leading to the classification of mixture

Full text of any statements or

R-phrases and H-phrases

R20/22 Harmful by inhalation and if swallowed.

under Sections 2 to 15

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

H302 - Harmful if swallowed. H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

**Revision information** IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Training information Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0 SDS EU 40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

Disclaimer Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

Issue date 13-December-2011 **Revision date** 13-December-2011 **Print date** 13-December-2011

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 0 40890 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

# SAFETY DATA SHEET

# Section 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier** 

Trade name or Molylube Multipurpose Extreme Pressure Grease with Moly 46-0

designation of the mixture

Product code 40880

**Registration number** 

**Synonyms** Molylube AC 1000 OX

14-May-2011 Date of first issue

**Version number** 1,1

**Revision date** 13-December-2011 Supersedes date 03-November-2011

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available. Uses advised against None known.

Details of the supplier of the safety data sheet

Bel-Ray Company, Inc. Bel-Ray Europe S.A. Avenue Louise, 304 P.O. Box 526

Farmingdale, NJ 07727 Bruxelles-Brussel, B-1050

Belgium

United States of America +1 732 938 2421

+32 (0) 2 540 84 52

Europe: +32 (0) 2 201 18 87 CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

Europe Emergency: 112

### Section 2: Hazards identification

#### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R20/22

The full text for all R-phrases is displayed in section 16.

# Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards** 

Category 4 (% of the mixture consists of Harmful if swallowed. Acute toxicity, oral

ingredient(s) of unknown toxicity.)

Acute toxicity, inhalation Category 4 (% of the mixture consists of Harmful if inhaled.

ingredient(s) of unknown toxicity.)

Hazard summary

Physical hazards Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazards Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 46-0 SDS EU 40880 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

Main symptoms Not available.

Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)



Signal word Warning

**Hazard statements** Harmful if swallowed. Harmful if inhaled.

**Precautionary statements** 

Prevention Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Response

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CAS-No. / EC No. REACH Registration No. INDEX No.

CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage Not available.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

%

Other hazards Not assigned.

# Section 3: Composition/information on ingredients

#### **Mixture**

#### **General information**

**Chemical name** 

Distillates (petroleum), hy heavy naphthenic	drotreated	0 - < 100	64742-52-5 265-155-0	-	649-465-00-7	#
Classification:	DSD: -					
	CLP: -					
Distillates (petroleum), hy light naphthenic	drotreated	0 - < 100	64742-53-6 265-156-6	-	649-466-00-2	#
Classification:	DSD: -					
	CLP: -					
Distillates (petroleum), hy light paraffinic	drotreated	0 - < 100	64742-55-8 265-158-7	-	649-468-00-3	#
Classification:	DSD: -					
	CLP: -					
Distillates (petroleum), so heavy paraffinic	lvent-refined	0 - < 100	64741-88-4 265-090-8	-	649-454-00-7	#
Classification:	DSD: -					
	CLP: -					
Lubricating Oils (petroleur Hydrotreated Spent	m),	0< 100	64742-58-1 265-161-3	-	-	#
Classification:	DSD: -					

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 46-0 40880 Version No.: 1,1 Revision date: 13-December-2011 Print date: 13-December-2011

CLP: -

Notes

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. Notes

White mineral oil (petroleum) 0< 100 8042-47-5 - #

232-455-8

Classification: DSD: -

CLP: -

Antimony Tris[0,0-dipropyl] 1 - < 3 15874-48-3 - 051-003-00-9 #

Tris(dithiophosphate) 240-001-5

Classification: DSD: Xn;R20/22, N;R51/53

CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411

Molybdenum Disulfide < 0,3 1317-33-5 -

215-263-9

Classification: DSD: -

CLP: -

Carbon black < 0,2 1333-86-4 - -

215-609-9

Classification: DSD: -

CLP: -

Other components below reportable 1 - < 3

levels

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Composition comments The full text for all R- and H-phrases is displayed in section 16.

#### Section 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately

(show the label where possible).

Description of first aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

Most important symptoms and effects, both acute and

delayed

Not available.

Indication of any immediate medical attention and special

treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

**Suitable extinguishing** Water fog. Foam. Dry powder. Carbon dioxide (CO2).

media

**Unsuitable extinguishing** Water. Do not use water jet as an extinguisher, as this will spread the fire.

media

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Special hazards arising from the substance or mixture

Not available.

Advice for firefighters

Special protective equipment for firefighters

Wear suitable protective equipment.

Special firefighting

procedures

Not available

#### Section 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

# Section 7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning

Conditions for safe storage,

including any incompatibilities Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

Specific end use(s) Not available.

#### Section 8: Exposure controls/personal protection

# **Control parameters**

# Occupational exposure limits

Austria. MAK List			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.
	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 46-0

Belgium. Exposure Limit Values.				
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Mist.	

5 mg/m3

10 mg/m3

5 mg/m3

Mist.

Mist.

Mist.

# Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

TWA

STEL

TWA

Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	TWA	5 mg/m3	
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TWA	5 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	
Lubricating Oils (petroleum), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	

# Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	TWA	0,5 mg/m3	
(15874-48-3)			

#### Czech Republic. OELs. Government Decree 361

White mineral oil (petroleum

) (8042-47-5)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1,5 mg/m3	
	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Ceiling	1000 mg/m3	
	TWA	200 mg/m3	
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

Denmark. Exposure Limit Values	Denmark. Exposure Limit Values						
Components	Туре	Value	Form				
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3					
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.				
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	TLV	1 mg/m3	Mist.				
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TLV	1 mg/m3	Mist.				
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.				
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.				
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.				

# Estonia

No exposure limits noted for the ingredient(s).

#### Finland. Workplace Exposure Limits

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.

# France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components Type Value

Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) VME

0,5 mg/m3

#### Germany

No exposure limits noted for the ingredient(s).

# Germany - TRGS 900

No exposure limits noted for the ingredient(s).

# Greece. OELs (Decree No. 90/1999, as amended)

•	Greece. Dets (Decree No. 90/ 1999, as amended)					
Components	Туре	Value	Form			
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3				
Tris(dithiophosphate)		•				
(15874-48-3)						
Distillates (petroleum),	TWA	5 mg/m3	Mist.			
hydrotreated heavy						
naphthenic (64742-52-5)						
Distillates (petroleum),	TWA	5 mg/m3	Mist.			
hydrotreated light						
naphthenic (64742-53-6)						
Distillates (petroleum),	TWA	5 mg/m3	Mist.			
hydrotreated light paraffinic						
(64742-55-8)						
Distillates (petroleum),	TWA	5 mg/m3	Mist.			
solvent-refined heavy						
paraffinic (64741-88-4)						
Lubricating Oils (petroleum	TWA	5 mg/m3	Mist.			
), Hydrotreated Spent						
(64742-58-1)						
White mineral oil (petroleum	TWA	5 mg/m3	Mist.			
) (8042-47-5)						

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Hungary. OELs. Joint Decree on Ch Components	Туре	Value	Form
Intimony Tris[o,o-dipropyl] Fis(dithiophosphate) 15874-48-3)	STEL	2 mg/m3	
13074-40-3)	TWA	0,5 mg/m3	
Distillates (petroleum),	Ceiling	5 mg/m3	Mist.
nydrotreated heavy		5g,c	·············
naphthenic (64742-52-5)			
Distillates (petroleum),	Ceiling	5 mg/m3	Mist.
ydrotreated light			
naphthenic (64742-53-6)			
Distillates (petroleum),	Ceiling	5 mg/m3	Mist.
nydrotreated light paraffinic			
64742-55-8) Distillates (petroleum),	Ceiling	5 mg/m3	Mist.
olvent-refined heavy	Celling	5 Hig/III5	MISt.
paraffinic (64741-88-4)			
ubricating Oils (petroleum	Ceiling	5 mg/m3	Mist.
, Hydrotreated Spent	3	3	
64742-58-1)			
Vhite mineral oil (petroleum	Ceiling	5 mg/m3	Mist.
(8042-47-5)			
celand. OELs. Regulation 154/199			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	Dust.
ris(dithiophosphate)			
15874-48-3)	T14/4		
Distillates (petroleum),	TWA	1 mg/m3	Mist.
nydrotreated heavy naphthenic (64742-52-5)			
Distillates (petroleum),	TWA	1 mg/m3	Mist.
nydrotreated light	1 4473	1 mg/m3	Wildt.
naphthenic (64742-53-6)			
Distillates (petroleum),	TWA	1 mg/m3	Mist.
ydrotreated light paraffinic		-	
64742-55-8)			
Distillates (petroleum),	TWA	1 mg/m3	Mist.
olvent-refined heavy			
paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
ubricating Oils (petroleum , Hydrotreated Spent	IVVA	i ilig/ilis	IVIIST.
64742-58-1)			
Vhite mineral oil (petroleum	TWA	1 mg/m3	Mist.
(8042-47-5)		3.	
reland. Occupational Exposure Lii	mits		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
ris(dithiophosphate)		_	
15874-48-3)			
Distillates (petroleum),	TWA	0,2 mg/m3	Inhalable fraction.
hydrotreated heavy			
naphthenic (64742-52-5) Distillates (petroleum),	TWA	0.2 mg/m²	Inhalable fraction.
	IVVA	0,2 mg/m3	minalable maction.
ydrotreated light			
nydrotreated light naphthenic (64742-53-6)		0.2 ma/m3	Inhalable fraction.
ydrotreated light	TWA	0,2 mg/m3	Inhalable fraction.
nydrotreated light naphthenic (64742-53-6) Distillates (petroleum),		0,2 mg/m3	Inhalable fraction.
nydrotreated light naphthenic (64742-53-6) Distillates (petroleum), nydrotreated light paraffinic 64742-55-8) Distillates (petroleum),		0,2 mg/m3 0,2 mg/m3	Inhalable fraction.  Inhalable fraction.
hydrotreated light haphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic 64742-55-8) Distillates (petroleum), olvent-refined heavy	TWA	-	
hydrotreated light haphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic 64742-55-8) Distillates (petroleum), holvent-refined heavy haraffinic (64741-88-4)	TWA	0,2 mg/m3	Inhalable fraction.
hydrotreated light haphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic 64742-55-8) Distillates (petroleum), hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light hydro	TWA	-	
hydrotreated light haphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic 64742-55-8) Distillates (petroleum), hydrotreated heavy haraffinic (64741-88-4) hubricating Oils (petroleum hydrotreated Spent	TWA	0,2 mg/m3	Inhalable fraction.
hydrotreated light haphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic 64742-55-8) Distillates (petroleum), hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light paraffinic hydrotreated light hydro	TWA	0,2 mg/m3	Inhalable fraction.

Italy, OELs			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Inhalable fraction.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

#### Latvia

No exposure limits noted for the ingredient(s).

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Fume and mist.
•	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

# Luxembourg

No exposure limits noted for the ingredient(s).

#### Malta

No exposure limits noted for the ingredient(s).

# Netherlands. OELs (binding)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TWA	5 mg/m3	Mist.

	<b>Type</b> TWA	5 mg/m3	Mist.
paraminic (64741-88-4) Lubricating Oils (petroleum ), Hydrotreated Spent		5g/	Wilst.
(64742-58-1)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.
Norway. Administrative Norms for Components	ontaminants in the Wor Type	kplace Value	Form
•			101111
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.
Distillates (petroleum), hydrotreated light	TLV	1 mg/m3	Mist.
naphthenic (64742-53-6) Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TLV	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.
Poland. MACs. Minister of Labour and in Working Environment	d Social Policy Regardin	g Maximum Allowable Cond	centrations and Intensitie
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Distillates (petroleum), hydrotreated light	STEL	10 mg/m3	Aerosol
naphthenic (64742-53-6)	T\\\\	E ma/m2	Acrosol
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	TWA STEL	5 mg/m3 10 mg/m3	Aerosol Aerosol
(07/72-33-0)	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
ραιαπιπο (04741-00-4)	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Portugal. VLEs. Norm on occupationa	al exposure to chemical	agents (NP 1796)	

TWA

0,5 mg/m3

Antimony Tris[o,o-dipropyl]

Tris(dithiophosphate) (15874-48-3)

Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	Aerosol
naphthenic (64742-52-5)			
,	TWA	5 mg/m3	Aerosol
Distillates (petroleum),	STEL	10 mg/m3	Aerosol
nydrotreated light naphthenic (64742-53-6)			
iapritrieriic (04742-55-0)	TWA	5 mg/m3	Aerosol
Distillates (petroleum),	STEL	10 mg/m3	Aerosol
nydrotreated light paraffinic 64742-55-8)	SILL	To mg/ms	ACIUSUI
	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
(0.7.1.00.1)	TWA	5 mg/m3	Aerosol
ubricating Oils (petroleum	STEL	10 mg/m3	Aerosol
, Hydrotreated Spent 64742-58-1)	3122	10 mg/m3	Acrosor
	TWA	5 mg/m3	Aerosol
Vhite mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of wo Components	rkers from exposure to che Type	mical agents at the workpla Value	ce
Distillates (petroleum),	STEL	10 mg/m3	
nydrotreated heavy naphthenic (64742-52-5)		Ç	
артитети (ст. 12 с2 с)	TWA	5 mg/m3	
Distillates (petroleum),	STEL	10 mg/m3	
nydrotreated light naphthenic (64742-53-6)	0.122	ro mg/mo	
	TWA	5 mg/m3	
Distillates (petroleum), nydrotreated light paraffinic (64742-55-8)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Distillates (petroleum), colvent-refined heavy	STEL	10 mg/m3	
paraffinic (64741-88-4)	T14/4	5 / 0	
ubrigating Oils (naturals)	TWA	5 mg/m3	
Lubricating Oils (petroleum , Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	
•	TWA	5 mg/m3	
Vhite mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	
(0012 17 0)	TWA	5 mg/m3	
Slovakia. OELs. Decree of the gov chemical agents	•		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	Ceiling	1 mg/m3	Total dust.
	TWA	0,5 mg/m3	Total dust.
White mineral oil (petroleum (8042-47-5)	TWA	5 mg/m3	Aerosol
Slovenia. OELs. Regulations cond working (Official Gazette of the I		rs against risks due to expo	sure to chemicals while
Components	Type	Value	Form
•			
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Inhalable fraction.

Spain. Occupational Exposure Limi Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
Fris(dithiophosphate) (15874-48-3)		<b>J</b>	
Distillates (petroleum),	STEL	10 mg/m3	Mist.
nydrotreated heavy naphthenic (64742-52-5)		•	
	TWA	5 mg/m3	Mist.
Distillates (petroleum), nydrotreated light naphthenic (64742-53-6)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Distillates (petroleum), nydrotreated light paraffinic (64742-55-8)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.
, ,	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Mist.
(04742-30-1)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Mist.
, (	TWA	5 mg/m3	Mist.
Sweden. Occupational Exposure Li	mit Values	· ·	
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy	STEL	3 mg/m3	Mist.
naphthenic (64742-52-5)			
21.111.1	TWA	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated light naphthenic (64742-53-6)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated light paraffinic	STEL	3 mg/m3	Mist.
(64742-55-8)	T\A/A	4 / 0	Mint
Distillates (petroleum),	TWA STEL	1 mg/m3 3 mg/m3	Mist. Mist.
solvent-refined heavy paraffinic (64741-88-4)	SIEL	3 Hg/III3	iviist.
(2.1.1. 00 )	TWA	1 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Mist.
(07/72-30-1)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	STEL	3 mg/m3	Mist.
•	TWA	1 mg/m3	Mist.
Switzerland No exposure limits noted for the ingred		Ÿ	
UK. EH40 Workplace Exposure Lim Components	its (WELs) Type	Value	
<del>-</del>			
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	

(15874-48-3)

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

# **Biological limit values**

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

#### **Finland**

No biological exposure limits noted for the ingredient(s).

No biological exposure limits noted for the ingredient(s).

#### Luxembourg

No biological exposure limits noted for the ingredient(s).

No biological exposure limits noted for the ingredient(s).

#### **United Kingdom**

No biological exposure limits noted for the ingredient(s).

Recommended monitoring

procedures

Follow standard monitoring procedures.

DNEL Not available. **PNEC** Not available.

**Exposure controls** 

Appropriate engineering

Provide adequate general and local exhaust ventilation.

controls

#### Individual protection measures, such as personal protective equipment

**General information** Not available.

Eye/face protection Not normally needed.

Skin protection

- Hand protection Not normally needed.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

Hygiene measures When using, do not eat, drink or smoke. Wash hands after handling and before eating. Handle in

accordance with good industrial hygiene and safety practices.

**Environmental exposure** 

controls

Not available.

### Section 9: Physical and chemical properties

#### Information on basic physical and chemical properties

**Appearance** Oily. **Physical state** Liquid. Form Grease Colour Black. Odour Petroleum **Odour threshold** Not available. Not applicable. pН Melting point/freezing Not available.

point

Boiling point, initial boiling point, and boiling

range

360 °C (680 °F) estimated

150 °C (302 °F) Pensky-Martens Closed Cup (Base Oil) Flash point

**Auto-ignition** 260 °C (500 °F) estimated

temperature

Flammability (solid, gas) Not available. Flammability limit - lower Not available.

(%)

Flammability limit -Not available.

upper (%)

**Oxidising properties** Not applicable. **Explosive properties** Not applicable. **Explosive limit** Not applicable. Vapour pressure 0 hPa estimated

Density 872 kg/m3 Vapour density Not applicable. **Evaporation rate** Not applicable. Relative density Not available. Solubility (water) Negligible Solubility (other) Oil

Information on basic physical and chemical properties

**Partition coefficient** 

Not available.

(n-octanol/water)

Decomposition Not available.

temperature

Not applicable. **Bulk density** Pour point Not applicable. Viscosity 37,4 cSt

40 °C (104 °F) ASTM D445 Viscosity temperature

VOC (Weight %) 0,04 % estimated Percent volatile 0,04 % estimated

Other data

**Drop point** 215 °C (419 °F)

Flammability class Combustible IIIB estimated

Specific gravity 0.87

Other information No relevant additional information available.

# Section 10: Stability and reactivity

Reactivity None known. Strong oxidizing agents. Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Not available.

Conditions to avoid Avoid temperatures exceeding the flash point.

Incompatible materials None known.

Hazardous decomposition

products

No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

### Section 11: Toxicological information

**General information** Not available. Information on likely routes of exposure

Harmful if swallowed. Ingestion Inhalation Harmful if inhaled. Skin contact Not available. Not available. Eye contact Not available. **Symptoms** 

Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Serious eye damage/eye Not available.

irritation

Not available. Respiratory sensitisation Skin sensitisation Not available. Germ cell mutagenicity Not available. Carcinogenicity Not available.

IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Not available. Reproductive toxicity Not available. Specific target organ

toxicity - single exposure

Specific target organ toxicity - repeated

exposure

Not available.

**Aspiration hazard** Not available. Mixture versus substance

information

Not available.

Other information Not available.

# Section 12: Ecological information

#### **Toxicity**

**Product Test results** 

Molylube Multipurpose Extreme Pressure Grease with Moly 46-0

(Mixture)

EC50 Daphnia: 32600 mg/l 48 hours estimated

LC50 Fish: 61494,02 mg/l 96 hours estimated

\* Estimates for product may be based on additional component data not shown.

Persistence and degradability

No data is available on the degradability of this product.

**Bioaccumulative** 

Not available.

potential

Mobility Not available. **Environmental fate -**Not available.

Partition coefficient

Mobility in soil Not available. Results of PBT and Not available.

vPvB assessment Other adverse effects

Not available.

# **Section 13: Disposal considerations**

Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal

methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used

container. Dispose of contents/container in accordance with local/regional/national/international regulations.

# **Section 14: Transport information**

#### **ADR**

Not regulated as dangerous goods.

# RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

Not regulated as dangerous goods.

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

# **Section 15: Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU** regulations

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations Not available. References Not available.

Information on evaluation method leading to the classification of mixture

Not available

Full text of any statements or

R20/22 Harmful by inhalation and if swallowed.

R-phrases and H-phrases under Sections 2 to 15

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

H302 - Harmful if swallowed. H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

**Revision information** IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Training information** Not available

Disclaimer Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

Issue date 13-December-2011 **Revision date** 13-December-2011 **Print date** 13-December-2011

# SAFETY DATA SHEET

# Section 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier** 

Trade name or Molylube Multipurpose Extreme Pressure Grease with Moly 1

designation of the mixture

**Product code** 40900

**Registration number** 

**Synonyms** Molylube AC 1000 1 03-September-2011 Date of first issue

**Version number** 1,1

**Revision date** 14-December-2011 Supersedes date 03-November-2011

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available. Uses advised against None known. Details of the supplier of the safety data sheet

> Bel-Ray Company, Inc. Bel-Ray Europe S.A. Avenue Louise, 304 P.O. Box 526

Farmingdale, NJ 07727 Bruxelles-Brussel, B-1050

Belgium

United States of America +1 732 938 2421 +32 (0) 2 540 84 52

Europe: +32 (0) 2 201 18 87 CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

Europe Emergency: 112

#### Section 2: Hazards identification

#### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R20/22

The full text for all R-phrases is displayed in section 16.

# Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards** 

Category 4 (% of the mixture consists of Harmful if swallowed. Acute toxicity, oral

ingredient(s) of unknown toxicity.)

Category 4 (% of the mixture consists of Acute toxicity, inhalation Harmful if inhaled.

ingredient(s) of unknown toxicity.)

Hazard summary

Physical hazards Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazards Not available.

Main symptoms Not available.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)



Signal word Warning

Hazard statements Harmful if swallowed. Harmful if inhaled.

**Precautionary statements** 

**Prevention** Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well-ventilated area.

**Response** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CAS-No. / EC No. REACH Registration No. INDEX No.

CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage Not available.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

%

Other hazards Not assigned.

# Section 3: Composition/information on ingredients

**Mixture** 

**General information** 

**Chemical name** 

Distillates (petroleum), hydrotreated heavy naphthenic  Classification:  DSD: - CLP: -  CLP: -  Distillates (petroleum), hydrotreated heavy paraffinic  Classification:  DSD: - CLP: -  CLP: -  Distillates (petroleum), hydrotreated heavy paraffinic  Classification:  DSD: - CLP: -  CLP: -  Distillates (petroleum), solvent-refined 0 - < 100 64742-54-7 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-467-00-8 649-459-00-8 649-459-00-8 649-459-00-8 649-459-00-8 649-459-00-8 649-459-00-8 64742-58-1 649-459-00-8 64742-68-1 649-459-00-4 649-459-00	onomical name		,,	g		
Distillates (petroleum), hydrotreated heavy paraffinic		nydrotreated	0 - < 100	-	649-465-00-7	#
Distillates (petroleum), hydrotreated heavy paraffinic 265-157-1 - 649-467-00-8    Classification: DSD: - CLP:	Classification:	DSD: -				
heavy paraffinic  Classification:  DSD: -  CLP: -  Distillates (petroleum), solvent-refined 0 - < 100 64741-88-4 - 649-454-00-7 heavy paraffinic  Classification:  DSD: -  CLP: -  Lubricating Oils (petroleum), 0 < 100 64742-58-1  Classification:  DSD: -  CLP: -  CLP: -  Residual Oils (petroleum), 0 - < 100 64742-01-4 - 649-459-00-4 Solvent-refined		CLP: -				
CLP: -  Distillates (petroleum), solvent-refined 0 - < 100 64741-88-4 - 649-454-00-7 heavy paraffinic  Classification: DSD: - CLP: -  CLP: -  Lubricating Oils (petroleum), 0 < 100 64742-58-1		nydrotreated	0 - < 100	-	649-467-00-8	#
Distillates (petroleum), solvent-refined 0 - < 100 64741-88-4 - 649-454-00-7 heavy paraffinic 265-090-8  Classification: DSD: - CLP: -  Lubricating Oils (petroleum), 0 < 100 64742-58-1	Classification:	DSD: -				
Classification: DSD: -   CLP: -     CLP: -     CLP: -     CLP: -     CLP: -     CLP: -     CLP: -     CLP: -     CLP: -     CLP: -   CLP		CLP: -				
CLP: -  Lubricating Oils (petroleum),		solvent-refined	0 - < 100	-	649-454-00-7	#
Lubricating Oils (petroleum),	Classification:	DSD: -				
Hydrotreated Spent 265-161-3  Classification: DSD: - CLP: -  Residual Oils (petroleum), 0 - < 100 64742-01-4 - 649-459-00-4 Solvent-refined 265-101-6		CLP: -				
CLP: -  Residual Oils (petroleum), 0 - < 100 64742-01-4 - 649-459-00-4  Solvent-refined 265-101-6		um),	0< 100	-	-	#
Residual Oils (petroleum), 0 - < 100 64742-01-4 - 649-459-00-4 Solvent-refined 265-101-6	Classification:	DSD: -				
Solvent-refined 265-101-6		CLP: -				
Classification: DSD: -		n),	0 - < 100	-	649-459-00-4	#
	Classification:	DSD: -				

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

CLP: -

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Notes

CAS-No. / EC No. REACH Registration No. INDEX No. Chemical name % **Notes** White mineral oil (petroleum) 0 - < 1008042-47-5 # 232-455-8 Classification: DSD: -CLP: -Aluminum, (benzoato-o,o 5 - < 1054326-11-3 # )hydroxy(octadecanoato-o,o )-259-105-7 Classification: DSD: -CLP: Antimony Tris[o,o-dipropyl] 1 - < 3 15874-48-3 051-003-00-9 # Tris(dithiophosphate) 240-001-5 Classification: **DSD:** Xn;R20/22, N;R51/53 CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411 Molybdenum Disulfide < 0,3 1317-33-5 215-263-9 Classification: DSD: -CLP: Carbon black < 0.21333-86-4 215-609-9 Classification: DSD: -

CLP:

Other components below reportable

levels

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Composition comments** 

The full text for all R- and H-phrases is displayed in section 16.

#### Section 4: First aid measures

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately

(show the label where possible).

1 - < 3

**Description of first aid measures** 

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

Most important symptoms and effects, both acute and delayed

Not available.

Indication of any immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

#### Section 5: Firefighting measures

General fire hazards Not available. **Extinguishing media** 

Suitable extinguishing

media

Water fog. Foam. Dry powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Not available.

Advice for firefighters

Special protective equipment for firefighters

Wear suitable protective equipment.

Special firefighting

procedures

#### Section 6: Accidental release measures

# Personal precautions, protective equipment and emergency procedures

Not available.

For non-emergency personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth

and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

#### Section 7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.

Conditions for safe storage,

including any incompatibilities Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

Specific end use(s) Not available.

# Section 8: Exposure controls/personal protection

# **Control parameters**

#### Occupational exposure limits

Austria. MAK List			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.
	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

SDS EU 40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

Belgium. Exposure Limit Values.				
Components	Туре	Value	Form	
Distillates (petroleum),	STEL	10 mg/m3	Mist.	
hydrotreated heavy				
paraffinic (64742-54-7)				
	TWA	5 mg/m3	Mist.	
Distillates (petroleum),	STEL	10 mg/m3	Mist.	
solvent-refined heavy				
paraffinic (64741-88-4)				
	TWA	5 mg/m3	Mist.	
Lubricating Oils (petroleum	STEL	10 mg/m3	Mist.	
), Hydrotreated Spent				
(64742-58-1)				
	TWA	5 mg/m3	Mist.	
Residual Oils (petroleum),	STEL	10 mg/m3	Mist.	
Solvent-refined				
(64742-01-4)				
	TWA	5 mg/m3	Mist.	
White mineral oil (petroleum	STEL	10 mg/m3	Mist.	

Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

5 mg/m3

Mist.

TWA

Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	

#### Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Туре	Value	
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
Tris(dithiophosphate)			
(15874-48-3)			

# Czech Republic. OELs. Government Decree 361

) (8042-47-5)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1,5 mg/m3	
	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Ceiling	1000 mg/m3	
•	TWA	200 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Ceiling	10 mg/m3	Aerosol
•	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	Ceiling	10 mg/m3	Aerosol

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

Czech Republic. OELs. Government E Components	Туре	Value	Form
	TWA	5 mg/m3	Aerosol
Residual Oils (petroleum), Solvent-refined	Ceiling	10 mg/m3	Aerosol
(64742-01-4)		_ , _	
Mhita minaral ail (natralaum	TWA	5 mg/m3	Aerosol
Vhite mineral oil (petroleum (8042-47-5)	Ceiling	10 mg/m3	Aerosol
(60.2 6)	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl]	TLV	0,5 mg/m3	101111
ris(dithiophosphate) 15874-48-3)	124	0,3 mg/m3	
Distillates (petroleum),	TLV	1 mg/m3	Mist.
nydrotreated heavy			
naphthenic (64742-52-5)	TIV	1 m = /== 2	Mict
Distillates (petroleum), nydrotreated heavy	TLV	1 mg/m3	Mist.
oaraffinic (64742-54-7)			
Distillates (petroleum),	TLV	1 mg/m3	Mist.
solvent-refined heavy paraffinic (64741-88-4)		<del>g</del> ,s	
Lubricating Oils (petroleum	TLV	1 mg/m3	Mist.
, Hydrotreated Spent (64742-58-1)		J	
Residual Oils (petroleum),	TLV	1 mg/m3	Mist.
Solvent-refined			
(64742-01-4)		4 4 9	NA:-+
	TLV	1 mg/m3	Mist.
(8042-47-5) Estonia. OELs. Occupational Exposur		-	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57)		-	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o thydroxy(octadecanoato-o,o	e Limit Values for Haza	rdous Substances (Minister	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3)	e Limit Values for Haza	rdous Substances (Minister Value	
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o l- (54326-11-3) Finland. Workplace Exposure Limits	e Limit Values for Haza	rdous Substances (Minister Value	
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o	re Limit Values for Haza Type TWA	rdous Substances (Minister  Value  2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl]	re Limit Values for Hazar Type TWA Type	rdous Substances (Minister  Value 2 mg/m3  Value	of Social Affairs Regula
(8042-47-5) Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	Type TWA  Type TWA  Type TWA	value 2 mg/m3  Value 2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o chydroxy(octadecanoato-o,o chydroxy(octadecanoato-	Type TWA  Type TWA  Type TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o b) (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o b) (bydroxy(octadecanoato-o,o b) (ctadecanoato-o,o c)	Type TWA  Type TWA  Type TWA	value 2 mg/m3  Value 2 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o phydroxy(octadecanoato-o,o p- (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o phydroxy(octadecanoato-o,o phydroxy(octadecan	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o hydroxy(octadecan	Type TWA  Type TWA  Type TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3	of Social Affairs Regula
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o hydroxy(octadecan	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy paphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Type TWA  Type TWA  TWA  TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy hydrotreated Spent	Type TWA  Type TWA  Type TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated heavy hydrotreated Spent (64742-58-1)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           Value         2 mg/m3           Value         2 mg/m3           0,5 mg/m3         5 mg/m3           5 mg/m3         5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy baraffinic (64742-54-7) Lubricating Oils (petroleum 1, Hydrotreated Spent 164742-58-1) Residual Oils (petroleum), Solvent-refined	Type TWA  Type TWA  TWA  TWA  TWA  TWA	Value 2 mg/m3  Value 2 mg/m3  0,5 mg/m3  5 mg/m3	of Social Affairs Regula  Form  Mist.  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o hydroxy(octadecanoato-o,o - (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy haraffinic (64742-54-7) Lubricating Oils (petroleum hydrotreated Spent (64742-58-1) Residual Oils (petroleum), Solvent-refined (64742-01-4)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.
Estonia. OELs. Occupational Exposur No. 57) Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3) Finland. Workplace Exposure Limits Components Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1) Residual Oils (petroleum), Solvent-refined (64742-01-4) France. Threshold Limit Values (VLEI	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.
White mineral oil (petroleum ) (8042-47-5)  Estonia. OELs. Occupational Exposur No. 57)  Components  Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3)  Finland. Workplace Exposure Limits Components  Aluminum, (benzoato-o,o ) hydroxy(octadecanoato-o,o ) hydroxy(octadecanoato-o,o )- (54326-11-3)  Antimony Tris[o,o-dipropyl]  Tris(dithiophosphate) (15874-48-3)  Distillates (petroleum), hydrotreated heavy papathenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)  Residual Oils (petroleum), Solvent-refined (64742-01-4)  France. Threshold Limit Values (VLEI Components  Antimony Tris[o,o-dipropyl]  Tris(dithiophosphate) (15874-48-3)	Type TWA  Type TWA  TWA  TWA  TWA  TWA  TWA  TWA  TWA	Value           2 mg/m3           Value           2 mg/m3           0,5 mg/m3           5 mg/m3	Form  Mist.  Mist.  Mist.  Mist.

No exposure limits noted for the ingredient(s).

Greece. OELs (Decree No. 90/19			_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy	TWA	5 mg/m3	Mist.
paraffinic (64742-54-7) Distillates (petroleum), solvent-refined heavy	TWA	5 mg/m3	Mist.
paraffinic (64741-88-4) Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on Components	Chemical Safety of Workplac Type	es Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	STEL	2 mg/m3	
(1007) 10 0)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	Ceiling	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	Ceiling	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	Ceiling	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	Ceiling	5 mg/m3	Mist.
Iceland. OELs. Regulation 154/1 Components	999 on occupational exposu Type	re limits Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o	TWA	2 mg/m3	
)- (54326-11-3) Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	TWA	0,5 mg/m3	Dust.
(15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	1 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	1 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

(64742-58-1)

40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

Components	Туре	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure Lim Components	its Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	0,2 mg/m3	Inhalable fraction.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	0,2 mg/m3	Inhalable fraction.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	0,2 mg/m3	Inhalable fraction.
White mineral oil (petroleum) (8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.
Italy. OELs Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	Respirable fraction.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Inhalable fraction.
White mineral oil (petroleum	TWA	5 mg/m3	Inhalable fraction.

#### Latvia

) (8042-47-5)

No exposure limits noted for the ingredient(s).

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Fume and mist.
,	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

SDS EU

40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

# Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Туре	Value	Form
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
Lauranderson	TWA	1 mg/m3	Fume and mist.

#### Luxembourg

No exposure limits noted for the ingredient(s).

#### Malta

No exposure limits noted for the ingredient(s).

#### Netherlands. OELs (binding)

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	TLV	1 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
ubricating Oils (petroleum , Hydrotreated Spent [64742-58-1)	TLV	1 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components         Type         Value         Form           Antininory Tirs[odipropyl]         TWA         0.5 mg/m3         Aerosol           Trisc(diriughrosphate)         TSC         10 mg/m3         Aerosol           Orisidates (petroleum)         TWA         5 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Postillates (petroleum)         STEL         10 mg/m3         Aerosol           Injuriorizacida Chaney         TWA         5 mg/m3         Aerosol           Distillates (petroleum)         STEL         10 mg/m3         Aerosol           Sobent-refined Chazey         TWA         5 mg/m3         Aerosol           Lubricating Olis (petroleum)         STEL         10 mg/m3         Aerosol           Value         TWA         5 mg/m3         Aerosol           Value         TWA         5 mg/m3	in Working Environment			
Trisk dimbinophosphate)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-148-15)   (1874-158-158-158-158-158-158-158-158-158-158	Components	Туре	Value	Form
Distillates (petroleum), prophenic (64742-52-5)   TWA	Tris(dithiophosphate)	TWA	0,5 mg/m3	
TWA	Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	Aerosol
Distillates (petroleum), hydrotreated heavy parelfinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64741-88-4)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-1)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-1)   TWA   5 mg/m3   Aerosol hydrotreated heavy parelfinic (64742-58-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy	Haphthelic (04742-32-3)	Τ\//Δ	5 ma/m3	Aerosol
TWA	hydrotreated heavy			
Distillates (petroleum), paraffinic (64741-88-4)         STEL         10 mg/m3         Aerosol           Solvent-refined (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           NHydrotreated Spent (64742-58-1)         TWA         5 mg/m3         Aerosol           Residual Oils (petroleum), STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Ville mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Value         Form           Value         Form           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         Form           Antimony Trisjo,-dipropyll         TWA         0.5 mg/m3         Aerosol           Value         10 mg/m3         Aerosol	paramilic (04/42-54-7)	Τ\Λ/Λ	5 ma/m <sup>3</sup>	Aorosol
Lubricating Oils (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-58-1)           N. Hydrotreaded Spent (64742-58-1)         TWA         5 mg/m3         Aerosol (PAP2-58-1)           Residual Oils (petroleum)         STEL         10 mg/m3         Aerosol (PAP2-01-4)           White mineral oil (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-01-4)           White mineral oil (petroleum )         STEL         10 mg/m3         Aerosol (PAP2-01-4)           Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)         TWA         5 mg/m3         Aerosol (PAP2-01-4)           Authony Tris(odipropyl)         TWA         0.5 mg/m3         Aerosol (PAP2-01-4)           Authony Tris(odipropyl)         TWA         0.5 mg/m3         Aerosol (PAP2-01-4)           Authony Tris(odipropyl)         TWA         5 mg/m3         Aerosol (PAP2-01-4)           Author Colspan (PAP2-01-4)         TWA         5 mg/m3         Aerosol (PAP2	solvent-refined heavy		_	
Mydotroated Spent (64742-58-1)		TWA	5 mg/m3	Aerosol
Residual Oils (petroleum), STEL         STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (petroleum)         TWA         5 mg/m3         Aerosol           Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)           Components         Type         Value         Form           Acrosol           National State (MP 1796)         To mg/m3         Aerosol           Acrosol           Tisk(dihiophosphate)         TSEL         10 mg/m3         Aerosol           Nydrotreated heavy           paraffinic (64742-55-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Distillates (petroleum),         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol	), Hydrotreated Spent	STEL	10 mg/m3	Aerosol
Solvent-refined (64742-01-4)		TWA	5 mg/m3	Aerosol
TWA	Solvent-refined	STEL	10 mg/m3	Aerosol
White mineral oil (petroleum   STEL   10 mg/m3   Aerosol   (8042-47-5)   TWA   5 mg/m3   Aerosol   Aerosol   Aerosol   TWA   5 mg/m3   Aerosol	•	TWA	5 ma/m3	Aerosol
Name				
Components         Type         Value         Form           Antmony Tris(o,o-dipropyl)         TWA         0,5 mg/m3         TWA           Tris(dithiophosphate)         TWA         0,5 mg/m3         Aerosol           Ustillates (petroleum), hydrotreated heavy naphtenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Solvent-refined (64742-58-1)         TWA         5 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (		TWA	5 mg/m3	Aerosol
Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), purporterated heavy naphthenic (64742-52-5)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64742-54-7)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-79)  White mineral oil (petroleum) STEL 10 mg/m3 Aerosol Negroreated Negroreated Negroreated Spent (64742-75)  TWA 5 mg/m3 Aerosol Negroreated Negrore				Form
Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), purporterated heavy naphthenic (64742-52-5)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64742-54-7)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated heavy paraffinic (64741-88-4)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Negroreated Spent (64742-79)  White mineral oil (petroleum) STEL 10 mg/m3 Aerosol Negroreated Negroreated Negroreated Spent (64742-75)  TWA 5 mg/m3 Aerosol Negroreated Negrore	Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	
hydrotreated heavy naphthenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)         TWA         5 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           Lubricating Oils (petroleum)         STEL         10 mg/m3         Aerosol           ), Hydrotreated Spent (64742-58-1)         TWA         5 mg/m3         Aerosol           Residual Oils (petroleum), STEL         10 mg/m3         Aerosol           Solvent-refined (64742-01-4)         TWA         5 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           White mineral oil (petroleum)         STEL         10 mg/m3         Aerosol           Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components         Type         Value           Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)         TWA         5 mg/m3         Aerosol           Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)         TWA         5 mg/m3         Aerosol	Tris(dithiophosphate) (15874-48-3)		-	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol hydrotreated heavy paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol solvent-refined heavy paraffinic (64742-58-1)   TWA   5 mg/m3   Aerosol solvent-refined key paraffinic (64742-58-1)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (64742-01-4)   TWA   5 mg/m3   Aerosol solvent-refined (78042-47-5)   TWA   5 mg/m3   Aerosol solvent-refined (78042-52-5)   Aer	hydrotreated heavy	STEL	10 mg/m3	Aerosol
Nydrotreated heavy   paraffinic (64742-54-7)   TWA   5 mg/m3   Aerosol		TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)   TWA   5 mg/m3   Aerosol	hydrotreated heavy	STEL	10 mg/m3	Aerosol
Solvent-refined heavy   parafffinic (64741-88-4)   TWA   5 mg/m3   Aerosol		TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol  STEL 10 mg/m3 Aerosol  Residual Oils (petroleum), STEL 10 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Province Type  TWA TWA TWA TWA TWA TWA TWA TWA TWA TW	solvent-refined heavy	STEL	10 mg/m3	Aerosol
), Hydrotreated Spent (64742-58-1)  TWA 5 mg/m3 Aerosol Residual Oils (petroleum), STEL 10 mg/m3 Aerosol Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)				
Residual Oils (petroleum), STEL 10 mg/m3 Aerosol Solvent-refined (64742-01-4) TWA 5 mg/m3 Aerosol White mineral oil (petroleum) TWA 5 mg/m3 Aerosol White mineral oil (petroleum) TWA 5 mg/m3 Aerosol (8042-47-5) TWA 5 mg/m3 Aerosol TWA 5 mg/m3 Aerosol Distillates (petroleum), hydrotreated heavy paraffinic (64742-52-5) TWA 5 mg/m3 TWA 5 mg/m3 Aerosol Distillates (petroleum), STEL 10 mg/m3 TWA 5 mg/m3 Aerosol Distillates (petroleum), STEL 10 mg/m3	), Hydrotreated Spent	STEL	10 mg/m3	Aerosol
Residual Oils (petroleum), Solvent-refined (64742-01-4)  TWA 5 mg/m3 Aerosol  White mineral oil (petroleum) ) (8042-47-5)  TWA 5 mg/m3 Aerosol  Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	,	TWA	5 ma/m3	Aerosol
White mineral oil (petroleum STEL 10 mg/m3 Aerosol 10 mg/	Solvent-refined			Aerosol
White mineral oil (petroleum ) (8042-47-5) TWA 5 mg/m3 Aerosol  Romania. OELs. Protection of workers from exposure to chemical agents at the workplace Components Type Value  Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5) TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3	•	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of workers from exposure to chemical agents at the workplace  Components Type Value  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy naphthenic (64742-52-5) TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)		STEL	10 mg/m3	Aerosol
ComponentsTypeValueDistillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)STEL10 mg/m3TWA5 mg/m3Distillates (petroleum), hydrotreated heavy 		TWA	5 mg/m3	Aerosol
hydrotreated heavy naphthenic (64742-52-5)  TWA 5 mg/m3  Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)				ce
TWA 5 mg/m3 Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)	hydrotreated heavy	STEL	10 mg/m3	
Distillates (petroleum), STEL 10 mg/m3 hydrotreated heavy paraffinic (64742-54-7)	naphthenic (64742-52-5)			
paraffinic (64742-54-7)				
		TWA	5 mg/m3	

Components	Туре	Value	
Distillates (petroleum), solvent-refined heavy	STEL	10 mg/m3	
paraffinic (64741-88-4)			
	TWA	5 mg/m3	
Lubricating Oils (petroleum , Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	
(2)	TWA	5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	
(04/42/01/4)	TWA	5 mg/m3	
White mineral oil (petroleum	STEL	10 mg/m3	
) (8042-47-5)	TWA	5 mg/m3	
Slovakia. OELs. Decree of the gov		•	of health in work with
chemical agents	•		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceilling	1 mg/m3	Total dust.
,	TWA	0,5 mg/m3	Total dust.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Aerosol
Components	Republic of Slovenia) Type	rs against risks due to expo Value	Form
Components Antimony Tris[o,o-dipropyl]	Republic of Slovenia)		
working (Official Gazette of the F Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Republic of Slovenia) Type	Value	Form
Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Spain. Occupational Exposure Lin	Republic of Slovenia) Type TWA mits	Value 0,5 mg/m3	Form Inhalable fraction.
Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Spain. Occupational Exposure Lin	Republic of Slovenia) Type TWA	Value	Form
Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Spain. Occupational Exposure Lin Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	Republic of Slovenia) Type TWA mits	Value 0,5 mg/m3	Form Inhalable fraction.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy	Republic of Slovenia) Type TWA mits Type	Value 0,5 mg/m3 Value	Form Inhalable fraction.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy	Republic of Slovenia) Type TWA  mits Type TWA  STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3	Form Inhalable fraction.  Form  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lincomponents  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lincomponents  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy	Republic of Slovenia) Type TWA  mits Type TWA  STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3	Form Inhalable fraction.  Form  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lincomponents  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA  STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA  STEL  TWA	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Distillates (petroleum), solvent-refined heavy	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA  STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Distillates (petroleum), solvent-refined heavy	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.  Mist.  Mist.  Mist.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy baraffinic (64742-54-7)  Distillates (petroleum), hydrotreated heavy baraffinic (64741-88-4)  Lubricating Oils (petroleum 0, Hydrotreated Spent	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA  STEL  TWA	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)  Lubricating Oils (petroleum ), Hydrotreated Spent	Type TWA  Type TWA  Type TWA  Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy boaraffinic (64742-54-7)  Distillates (petroleum), hydrotreated heavy boaraffinic (64741-88-4)  Lubricating Oils (petroleum 1, Hydrotreated Spent (64742-58-1)  Residual Oils (petroleum), Solvent-refined	Republic of Slovenia) Type TWA  mits Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3  10 mg/m3  5 mg/m3 10 mg/m3  5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.  Mist.  Mist.  Mist.  Mist.  Mist.  Mist.
Components Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	Type TWA  Type TWA  Type TWA  Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Spain. Occupational Exposure Lin Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy haphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy boaraffinic (64742-54-7)  Distillates (petroleum), solvent-refined heavy boaraffinic (64741-88-4)  Lubricating Oils (petroleum 1, Hydrotreated Spent 1, Hydr	Type TWA  Type TWA  Type TWA  Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.
Components  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)  Spain. Occupational Exposure Lincomponents  Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3) Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)  Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)  Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)  Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)  Residual Oils (petroleum), Solvent-refined	Type TWA  Type TWA  Type TWA  Type TWA  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL	Value 0,5 mg/m3  Value 0,5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3 5 mg/m3 10 mg/m3	Form Inhalable fraction.  Form  Mist.

Value

1 mg/m3

Form

Total dust.

**Sweden. Occupational Exposure Limit Values** 

Components

)- (54326-11-3)

Aluminum, (benzoato-o,o

)hydroxy(octadecanoato-o,o

Type

TWA

Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Mist.	
•	TWA	1 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	

#### **Switzerland**

No exposure limits noted for the ingredient(s).

# UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3

Tris(dithiophosphate) (15874-48-3)

#### EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

## **Biological limit values**

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

#### Finland

No biological exposure limits noted for the ingredient(s).

#### France

No biological exposure limits noted for the ingredient(s).

#### Luxembourg

No biological exposure limits noted for the ingredient(s).

#### Spain

No biological exposure limits noted for the ingredient(s).

### **United Kingdom**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring** 

procedures

Follow standard monitoring procedures.

**DNEL** Not available. **PNEC** Not available.

**Exposure controls** 

Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

**General information** Not available.

Eye/face protection Not normally needed.

Skin protection

- Hand protection Not normally needed.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

SDS EU 40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

Hygiene measures When using, do not eat, drink or smoke. Wash hands after handling and before eating. Handle in

accordance with good industrial hygiene and safety practices.

214 °C (417,2 °F) Pensky-Martens Closed Cup (Base Oil)

**Environmental exposure** 

controls

#### Section 9: Physical and chemical properties

Information on basic physical and chemical properties

**Appearance** Oily. Physical state Liquid. **Form** Grease Colour Black. Odour Petroleum **Odour threshold** Not available. Not applicable. pН

Melting point/freezing

Not available.

Boiling point, initial boiling point, and boiling

range

360 °C (680 °F) estimated

**Auto-ignition** 260 °C (500 °F) estimated

temperature

Flash point

Flammability (solid, gas) Not available. Flammability limit - lower Not available.

(%)

Flammability limit -

upper (%)

Not available.

**Oxidising properties** Not applicable. **Explosive properties** Not applicable. **Explosive limit** Not applicable. 0 hPa estimated Vapour pressure 880 kg/m3 Density Vapour density Not applicable. Not applicable.

**Evaporation rate** Relative density Not available. Negligible Solubility (water) Solubility (other) Oil

Information on basic physical and chemical properties

**Partition coefficient** 

(n-octanol/water)

Not available.

Decomposition

Not available.

temperature **Bulk density** 

Not applicable. Not applicable.

**Viscosity** 150 cSt

40 °C (104 °F) ASTM D445 Viscosity temperature

VOC (Weight %) 0,04 % estimated Percent volatile 0,04 % estimated

Other data

Pour point

**Drop point** 259 °C (498,2 °F)

Flammability class Combustible IIIB estimated

Specific gravity 0.88

Other information No relevant additional information available.

### Section 10: Stability and reactivity

Reactivity None known. Strong oxidizing agents. Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Not available.

Conditions to avoid Avoid temperatures exceeding the flash point.

Incompatible materials None known.

Hazardous decomposition

products

No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

# **Section 11: Toxicological information**

**General information** Not available. Information on likely routes of exposure

Ingestion Harmful if swallowed. Harmful if inhaled. Inhalation Skin contact Not available. Eye contact Not available. **Symptoms** Not available.

Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Not available. Serious eye damage/eye

irritation

Not available. Respiratory sensitisation Not available. Skin sensitisation Germ cell mutagenicity Not available. Carcinogenicity Not available.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available. Specific target organ Not available

toxicity - single exposure

Specific target organ toxicity - repeated

Not available.

exposure

**Aspiration hazard** Mixture versus substance

information

Not available.

Not available.

Other information Not available.

#### Section 12: Ecological information

#### **Toxicity**

Product **Test results** 

Molylube Multipurpose Extreme Pressure Grease with Moly 1

(Mixture)

EC50 Daphnia: 36222,22 mg/l 48 hours estimated

LC50 Fish: 68326,02 mg/l 96 hours estimated

No data is available on the degradability of this product. Persistence and

degradability

**Bioaccumulative** Not available.

potential

Not available. Mobility **Environmental fate -**Not available.

Partition coefficient

Mobility in soil Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1

40900 Version No.: 1,1 Revision date: 14-December-2011 Print date: 14-December-2011

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Results of PBT and vPvB assessment

Not available.

Other adverse effects Not available.

# Section 13: Disposal considerations

Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal

methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 14: Transport information

#### **ADR**

Not regulated as dangerous goods.

Not regulated as dangerous goods.

**ADN** 

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

### **Section 15: Regulatory information**

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations** 

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

#### Section 16: Other information

List of abbreviations Not available. References Not available. Information on evaluation Not available.

method leading to the classification of mixture

Full text of any statements or

R20/22 Harmful by inhalation and if swallowed.

R-phrases and H-phrases under Sections 2 to 15

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

H302 - Harmful if swallowed. H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

**Revision information** IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Training information Not available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 1 SDS EU Disclaimer Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

Issue date 14-December-2011 **Revision date** 14-December-2011 **Print date** 14-December-2011

# PELORAV PETOMANCE PETOMANCE LUBRICANTS

# SAFETY DATA SHEET

# Section 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier** 

**Trade name or** Molylube Multipurpose Extreme Pressure Grease with Moly 2

designation of the mixture

Product code 40920

Registration number -

**Synonyms** Molylube AC 1000 2

**Date of first issue** 14-May-2011

Version number 1,2

**Revision date** 06-August-2012 **Supersedes date** 04-January-2012

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**Lubricants, Greases and Release products

Uses advised against None known.

Details of the supplier of the safety data sheet

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Belgium

+32 (0) 2 540 84 52

Europe: +32 (0) 2 201 18 87 Europe Emergency: 112 Bel-Ray Company, Inc.

P.O. Box 526

Farmingdale, NJ 07727 United States of America

+1 732 938 2421

CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

#### **Section 2: Hazards identification**

#### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R20/22

The full text for all R-phrases is displayed in section 16.

#### Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards** 

Acute toxicity, oral Category 4 (97,95% of the mixture Harmful if swallowed.

consists of ingredient(s) of unknown

toxicity.)

Acute toxicity, inhalation Category 4 (97,65% of the mixture Harmful if inhaled.

consists of ingredient(s) of unknown

toxicity.)

**Hazard summary** 

**Physical hazards** Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazardsNot available.Main symptomsNot available.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2
40920 Version No.: 1,2 Revision date: 06-August-2012 Print date: 09-August-2012

#### **Label elements**

#### Label according to Regulation (EC) No. 1272/2008 as amended

Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) **Contains:** 



Signal word Warning

**Hazard statements** Harmful if swallowed. Harmful if inhaled.

**Precautionary statements** 

**Prevention** Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using

this product. Use only outdoors or in a well-ventilated area.

Response IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell. Rinse mouth.

**Storage** Not available.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

Other hazards Not assigned.

# Section 3: Composition/information on ingredients

#### **Mixture**

# **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Distillates (petroleum), hydrotreated heavy naphthenic	0 - < 100	64742-52-5 265-155-0	-	649-465-00-7	#
Classification: DSD: -					
CLP: -					
Distillates (petroleum), hydrotreated heavy paraffinic	0 - < 100	64742-54-7 265-157-1	-	649-467-00-8	#
Classification: DSD: -					
CLP: -					
Distillates (petroleum), solvent-refine heavy paraffinic	ed 0 - < 100	64741-88-4 265-090-8	-	649-454-00-7	#
Classification: DSD: -					
CLP: -					
Lubricating Oils (petroleum), Hydrotreated Spent	0< 100	64742-58-1 265-161-3	-	-	#
Classification: DSD: -					
CLP: -					
White mineral oil (petroleum)	0 - < 100	8042-47-5 232-455-8	-	-	#
Classification: DSD: -					
CLP: -					
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )-	5 - < 10	54326-11-3 259-105-7	-	-	
Classification: DSD: -					
CLP: -					

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2

40920 Version No.: 1,2 Revision date: 06-August-2012 Print date: 09-August-2012

**Chemical name** CAS-No. / EC No. REACH Registration No. INDEX No. 0/0 **Notes** Antimony Tris[o,o-dipropyl] # 1 - < 315874-48-3 051-003-00-9 Tris(dithiophosphate) 240-001-5 Classification: **DSD:** Xn;R20/22, N;R51/53 CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411 Molybdenum Disulfide < 0,3 1317-33-5 215-263-9 Classification: DSD: -

CLP:

Carbon black < 0,2 1333-86-4

215-609-9

Classification: DSD: -

CLP:

Other components below reportable

levels

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

**Composition comments** Note L: The classification as a carcinogen for all base oils does not apply as it can be shown that

the substance contains less than 3% DMSO extract as measured by IP 346.

#### **Section 4: First aid measures**

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately

(show the label where possible).

**Description of first aid measures** 

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

**Most important symptoms** and effects, both acute and delaved

Not available.

Indication of any immediate

medical attention and special treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

# **Section 5: Firefighting measures**

**General fire hazards** Not available.

**Extinguishing media** 

Suitable extinguishing media

Water fog. Foam. Dry powder. Carbon dioxide (CO2).

**Unsuitable extinguishing** 

media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Not available.

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**Advice for firefighters** 

Special protective equipment for firefighters

Wear suitable protective equipment.

**Special firefighting** 

procedures

Not available.

#### **Section 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before

entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

Environmental precautions

Methods and material for

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Remove sources of ignition. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

### Section 7: Handling and storage

Precautions for safe handling

Do not taste or swallow. Avoid breathing vapour. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.

Conditions for safe storage,

including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

**Specific end use(s)** Not available.

# Section 8: Exposure controls/personal protection

#### **Control parameters**

### **Occupational exposure limits**

#### Austria. MAK List

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.
	STEL	1,5 mg/m3	Inhalable fraction.
<b>Belgium. Exposure Limit Values</b>			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.
•	TWA	5 mg/m3	Mist.

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2

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Components	Туре	Value	Form
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Bulgaria. OELs. Regulation No 13			chemical agents at work
Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	
Distillates (petroleum),	TWA	5 mg/m3	
nydrotreated heavy paraffinic (64742-54-7)		3 mg/m3	
Distillates (petroleum), solvent-refined heavy	TWA	5 mg/m3	
paraffinic (64741-88-4) Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	
Cyprus. OELs. Control of factory a amended.	ntmosphere and dangerous	substances in factories reg	ulation, PI 311/73, as
Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Czech Republic. OELs. Governme Components	nt Decree 361 Type	Value	Form
Antimony Tris[o,o-dipropyl]	Ceiling	1,5 mg/m3	TOTHI
Tris(dithiophosphate) (15874-48-3)	Cennig	1,5 mg/m5	
`	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy	Ceiling	1000 mg/m3	
naphthenic (64742-52-5)	T\\/A	200 mg/m2	
Distillates (petroleum),	TWA Ceiling	200 mg/m3 10 mg/m3	Aerosol
nydrotreated heavy paraffinic (64742-54-7)	Centrig	10 mg/m3	ACIOSOI
,	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	Ceiling	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum (8042-47-5)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values	_		_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy	TLV	1 mg/m3	Mist.
naphthenic (64742-52-5) Distillates (petroleum),	TLV	1 mg/m3	Mist.
hydrotreated heavy	• = •		<del></del>

Denmark. Exposure Limit Value				
Components	Туре	Value	Form	
Distillates (petroleum), solvent-refined heavy	TLV	1 mg/m3	Mist.	
paraffinic (64741-88-4)				
Lubricating Oils (petroleum	TLV	1 mg/m3	Mist.	

Mist.

Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)

White mineral oil (petroleum TLV 1 mg/m3 ) (8042-47-5)

**Estonia** 

No exposure limits noted for the ingredient(s).

**Finland. Workplace Exposure Limits** 

Components	Туре	Value	Form	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3		_
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.	

#### France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 **Value** Components **Type**

Antimony Tris[o,o-dipropyl] VME 0,5 mg/m3 Tris(dithiophosphate) (15874-48-3)

#### Germany

No exposure limits noted for the ingredient(s).

#### **Germany - TRGS 900**

No exposure limits noted for the ingredient(s).

- N - 00/4000

Greece. OELs (Decree No. 90/1999, as amended)						
Components	Туре	Value	Form			
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3				
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.			
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.			
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.			
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.			
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.			
Hungary. OELs. Joint Decree on	Chemical Safety of Workplaces					
Components	Туре	Value	Form			
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	STEL	2 mg/m3				

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces					
Components	Туре	Value	Form		
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	STEL	2 mg/m3			
	TWA	0,5 mg/m3			
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	Ceiling	5 mg/m3	Mist.		

Components	Chemical Safety of Workplaces Type	Value	Form
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	Ceiling	5 mg/m3	Mist.
Lubricating Oils (petroleum , Hydrotreated Spent 64742-58-1)	Ceiling	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	Ceiling	5 mg/m3	Mist.
Iceland. OELs. Regulation 154/1 Components	999 on occupational exposure limit Type	ts Value	Form
•			
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Dust.
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	1 mg/m3	Mist.
Distillates (petroleum), nydrotreated heavy	TWA	1 mg/m3	Mist.
paraffinic (64742-54-7) Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
Lubricating Oils (petroleum  1, Hydrotreated Spent  164742-58-1)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure l Components		Value	Form
<u> </u>	Туре		ГОПП
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), nydrotreated heavy naphthenic (64742-52-5)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), nydrotreated heavy paraffinic (64742-54-7)	TWA	0,2 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	0,2 mg/m3	Inhalable fraction.
Lubricating Oils (petroleum  ), Hydrotreated Spent  (64742-58-1)	TWA	0,2 mg/m3	Inhalable fraction.
White mineral oil (petroleum ) (8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.
Italy. OELs Components	Туре	Value	Form
	TWA		1 01111
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum),	TWA	5 mg/m3	Inhalable fraction.
nydrotreated heavy naphthenic (64742-52-5) Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Inhalable fraction.

Lithuania.	OELs.	<b>Limit Values for Chemical</b>	Substances,	<b>General Requirements</b>	(Hygiene Norn	n HN 23:2007)
_	_	_			_	

Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

# Luxembourg

No exposure limits noted for the ingredient(s).

#### Malta

No exposure limits noted for the ingredient(s).

# **Netherlands. OELs (binding)**

Components	Туре	Value	Form	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3		
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TWA	5 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TWA	5 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.	

Norway. Administrative Norms for Contaminants in the Workplace				
Components	Туре	Value	Form	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TLV	0,5 mg/m3		
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	TLV	1 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	TLV	1 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	TLV	1 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.	

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

in Working Environment			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum),	STEL	10 mg/m3	Aerosol
hydrotreated heavy	SILL	10 mg/ms	Aerosor
naphthenic (64742-52-5)	T14/4	F / 2	Annani
Distillator (naturalarum)	TWA	5 mg/m3	Aerosol
Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	Aerosol
paraffinic (64742-54-7)	T14/4	F /n. 2	Assessed
B: ::::	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Aerosol
(6.7.12.33.1)	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Portugal. VLEs. Norm on occupation Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	Aerosol
naphthenic (64742-52-5)	T\\/A	F == a /== 2	Agragal
Distillates (petroleum), hydrotreated heavy	TWA STEL	5 mg/m3 10 mg/m3	Aerosol Aerosol
paraffinic (64742-54-7)			
	TWA	5 mg/m3	Aerosol
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of wor Components	kers from exposure to c Type	hemical agents at the workplace Value	
<u> </u>			
Distillates (petroleum), hydrotreated heavy	STEL	10 mg/m3	
naphthenic (64742-52-5)	TWA	E ma/m2	
Distillates (netroleum)	STEL	5 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	SIEL	10 mg/m3	
	TWA	5 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Lubricating Oils (petroleum ), Hydrotreated Spent	STEL	10 mg/m3	
(64742-58-1)	TWA	5 mg/m3	

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace			
Components	Туре	Value	
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	
,	TWA	5 mg/m3	

# Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Туре	Value	Form	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1 mg/m3	Total dust.	
	TWA	0,5 mg/m3	Total dust.	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Aerosol	

# Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Туре	Value	Form	
Antimony Tris[o,o-dipropyl]	TWA	0,5 mg/m3	Inhalable fraction.	_
Tris(dithiophosphate)				
(15874-48-3)				

# **Spain. Occupational Exposure Limits**

Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Mist.
· ·	TWA	5 mg/m3	Mist.
Sweden. Occupational Exposure	Limit Values		
Components	Туре	Value	Form
Distillatos (notroloum)	CTEL	2 ma/m2	Mict

Sweden. Occupational Exposure Limit Values				
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	

 $\label{eq:material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2$ 

SDS EU

40920 Version No.: 1,2 Revision date: 06-August-2012 Print date: 09-August-2012

#### **Switzerland**

No exposure limits noted for the ingredient(s).

# **UK. EH40 Workplace Exposure Limits (WELs)**

**Value Components** Type Antimony Tris[o,o-dipropyl] 0,5 mg/m3 TWA

Tris(dithiophosphate)

(15874-48-3)

# EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

#### **Biological limit values**

#### EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

#### Finland

No biological exposure limits noted for the ingredient(s).

No biological exposure limits noted for the ingredient(s).

#### Luxembourg

No biological exposure limits noted for the ingredient(s).

#### Spain

No biological exposure limits noted for the ingredient(s).

#### **United Kingdom**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring** 

Follow standard monitoring procedures.

procedures

**DNEL** Not available. **PNEC** Not available.

**Exposure controls** 

Appropriate engineering

controls

### Individual protection measures, such as personal protective equipment

**General information** Not available.

**Eye/face protection** Not normally needed.

Skin protection

- Hand protection Not normally needed.

- Other Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment.

Provide adequate general and local exhaust ventilation.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands after handling and before eating. Handle in

accordance with good industrial hygiene and safety practices.

**Environmental exposure** 

controls

Not available.

# Section 9: Physical and chemical properties

# Information on basic physical and chemical properties

**Appearance** Oily. **Physical state** Liquid. Form Grease Colour Black. Odour Petroleum **Odour threshold** Not available. Not applicable.

Melting point/freezing

point

Not available.

**Boiling point, initial** 

boiling point, and boiling

range

360 °C (680 °F) estimated

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2

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Flash point 214 °C (417,2 °F) Pensky-Martens Closed Cup (Base Oil)

260 °C (500 °F) estimated **Auto-ignition** 

temperature

Flammability (solid, gas) Not available. Flammability limit - lower Not available.

(%)

Flammability limit -

upper (%)

Not available.

**Oxidising properties** Not applicable. **Explosive properties** Not applicable. **Explosive limit** Not applicable. Vapour pressure 0 hPa estimated

**Density** 886 kg/m3 Vapour density Not applicable. **Evaporation rate** Not applicable. **Relative density** Not available. Solubility (water) Negligible Oil Solubility (other)

Information on basic physical and chemical properties

**Partition coefficient** 

(n-octanol/water)

Not available.

**Decomposition** 

temperature

Not available.

**Bulk density** Not applicable. Pour point Not applicable.

**Viscosity** 220 cSt

Viscosity temperature 40 °C (104 °F) ASTM D445

0,04 % estimated VOC (Weight %) **Percent volatile** 0,04 % estimated

Other data

260 °C (500 °F) **Drop point** 

Flammability class Combustible IIIB estimated

Specific gravity 0,89

Other information No relevant additional information available.

#### Section 10: Stability and reactivity

Reactivity Strong oxidizing agents.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

Not available.

**Conditions to avoid** Avoid temperatures exceeding the flash point.

**Incompatible materials** None known.

**Hazardous decomposition** 

products

At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

#### **Section 11: Toxicological information**

**General information** Not available. Information on likely routes of exposure

Ingestion Harmful if swallowed. **Inhalation** Harmful if inhaled. Skin contact Not available. Not available. **Eye contact** Not available. **Symptoms** 

Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Serious eye damage/eye Not available.

irritation

**Respiratory sensitisation** Not available. Skin sensitisation Not available. Germ cell mutagenicity Not available. Carcinogenicity Not available.

# IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available. Not available. Specific target organ

toxicity - single exposure

Specific target organ toxicity - repeated exposure

Not available.

**Aspiration hazard** 

Mixture versus substance

Not available. Not available.

information

Other information Not available.

# **Section 12: Ecological information**

#### **Toxicity**

**Product Test results** EC50 Daphnia: 36222,22 mg/l 48 hours estimated Molylube Multipurpose Extreme Pressure Grease with Moly 2 (Mixture)

No data is available on the degradability of this product.

\* Estimates for product may be based on additional component data not shown.

**Persistence and** degradability

**Bioaccumulative** 

potential

Not available.

Not available. **Mobility Environmental fate -**Not available.

**Partition coefficient** 

Not available.

**Results of PBT and** vPvB assessment

Mobility in soil

Not available.

Other adverse effects Not available.

# **Section 13: Disposal considerations**

#### **Waste treatment methods**

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

LC50 Fish: 68326,02 mg/l 96 hours estimated

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

**Disposal** methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used

container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

# **Section 14: Transport information**

#### **ADR**

Not regulated as dangerous goods.

#### **RID**

Not regulated as dangerous goods.

#### ADN

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### **IMDG**

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

# **Section 15: Regulatory information**

# Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations** 

**Other regulations**The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** Not available.

**Chemical safety assessment** No Chemical Safety Assessment has been carried out.

# **Section 16: Other information**

List of abbreviationsNot available.ReferencesNot available.Information on evaluationNot available.

Information on evaluation method leading to the classification of mixture

Full text of any statements or

R20/22 Harmful by inhalation and if swallowed.

R-phrases and H-phrases under Sections 2 to 15

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

H302 - Harmful if swallowed. H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

**Revision information**IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING: Bel

Ray Custom Labels

Section 1: Identification of the substance/mixture and of the company/undertaking: Product use

Section 2: Hazards identification: Prevention

Section 3: Composition/information on ingredients: Composition comments

**Training information** Not available.

**Disclaimer**Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

Issue date09-August-2012Revision date09-August-2012Print date09-August-2012

Material name: Molylube Multipurpose Extreme Pressure Grease with Moly 2 40920 Version No.: 1,2 Revision date: 06-August-2012 Print date: 09-August-2012

# SAFETY DATA SHEET

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or Molylube Multipurpose Extreme Pressure Grease with Moly 460-2

designation of the mixture

Product code 40922 **SDS number** 6879 **Registration number** 

**Synonyms** Molylube AC 1000 2-460

Date of first issue 14-May-2011

Version number 1,2

20-May-2013 **Revision date** Supersedes date 13-February-2012

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Not available. Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Bel-Ray Europe S.A. Avenue Louise, 304 Bruxelles-Brussel, B-1050

Belgium

+32 (0) 2 540 84 52

Europe: +32 (0) 2 201 18 87 Europe Emergency: 112 Bel-Ray Company, Inc.

P.O. Box 526

Farmingdale, NJ 07727 United States of America

+1 732 938 2421

CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

# SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn:R20/22

The full text for all R-phrases is displayed in section 16.

# Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Harmful if swallowed. Acute toxicity, oral Category 4 Harmful if inhaled. Acute toxicity, inhalation Category 4

Hazard summary

Physical hazards Not classified for physical hazards.

**Health hazards** Harmful by inhalation and if swallowed. Occupational exposure to the substance or mixture may

cause adverse health effects.

**Environmental hazards** Not classified for hazards to the environment.

Specific hazards Not available. Main symptoms Not available.

2.2. Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)

Hazard pictograms



Signal word

**Hazard statements** Harmful if swallowed. Harmful if inhaled. May cause cancer.

**Precautionary statements** 

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Avoid breathing vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal

protective equipment as required.

IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. IF INHALED: Response

> Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTRE or doctor/physician if you feel

unwell. Rinse mouth.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

Not applicable.

2.3. Other hazards Not assigned.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### **General information**

Chemical name % CAS-No. / EC No. REACH Registration No. INDEX No. **Notes** 

Antimony Tris[o,o-dipropyl] 1 - < 315874-48-3 051-003-00-9

Tris(dithiophosphate) 240-001-5

Classification: **DSD:** Xn;R20/22, N;R51/53

> CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411

Other components below reportable levels 90 - 100

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

#: This substance has been assigned Community workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

# **SECTION 4: First aid measures**

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. IF exposed or concerned: Get medical advice/attention.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or

> artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do

not induce vomiting. Never give liquid to an unconscious person.

4.2. Most important symptoms and effects, both

acute and delayed

40922 Version No.: 1,2 Revision date: 20-May-2013 Issue date: 13-December-2011

Not available.

2 / 10

4.3. Indication of any immediate medical attention and special treatment needed

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

# **SECTION 5: Firefighting measures**

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising

from the substance or

mixture

Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear suitable protective equipment.

Special fire fighting

procedures

Not available.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

MSDS.

6.2. Environmental

precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

6.4. Reference to other

sections

For personal protection, see section 8. For waste disposal, see section 13.

### SECTION 7: Handling and storage

7.1. Precautions for safe

handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not taste or swallow. Avoid breathing vapour. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Hydrogen sulphide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep out of the

reach of children.

**7.3. Specific end use(s)** Not available.

# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

# Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

AUSTITA. IVIAN LIST, OEL OTUTTATIO	diffarice (GWV), BGBI. 11, 110. 18472001				
Components	Туре	Value	Form		
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	MAK	0,5 mg/m3	Inhalable fraction.		

Austria. MAK List, OEL Ordinance	(GwV), BGBI. II, no. 184/2001
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Components	Туре	Value	Form
	STEL	1,5 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	Mist.
(04742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Bulgaria. OELs. Regulation No 13	on protection of workers a	gainst risks of exposure to	chemical agents at work
Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	
Cyprus. OELs. Control of factory a amended.	atmosphere and dangerous	substances in factories reg	ulation, PI 311/73, as
Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Czech Republic. OELs. Governmen	nt Decree 361		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	Ceiling	1,5 mg/m3	
	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	Ceiling	10 mg/m3	Aerosol
(04742-01-4)	TWA	5 mg/m3	Aerosol
White mineral oil (petroleum ) (8042-47-5)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TLV	1 mg/m3	Mist.
Finland. Workplace Exposure Lim			_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.

France. Threshold Limit Values (\ Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	VME	0,5 mg/m3	
Greece. OELs (Decree No. 90/19	99, as amended)		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree on (			_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	STEL	2 mg/m3	
	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	Ceiling	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	Ceiling	5 mg/m3	Mist.
Iceland. OELs. Regulation 154/1 Components	999 on occupational exposure Type	e limits Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Dust.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure I Components	₋imits Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	TWA	0,5 mg/m3	101111
(15874-48-3) Residual Oils (petroleum), Solvent-refined	TWA	0,2 mg/m3	Inhalable fraction.
(64742-01-4) White mineral oil (petroleum ) (8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.
Italy. Occupational Exposure Lim			_
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
White mineral oil (petroleum ) (8042-47-5)	TWA	5 mg/m3	Inhalable fraction.
Lithuania. OELs. Limit Values for Components	Chemical Substances, Gener Type	al Requirements Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Fume and mist.
·	TWA	1 mg/m3	Fume and mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

Netherlands. OELs (binding) Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate)	TWA	0,5 mg/m3	
15874-48-3) Residual Oils (petroleum), Solvent-refined	TWA	5 mg/m3	Mist.
64742-01-4) Vhite mineral oil (petroleum (8042-47-5)	TWA	5 mg/m3	Mist.
Norway. Administrative Norms for Components	or Contaminants in the Wo Type	rkplace Value	Form
ntimony Tris[o,o-dipropyl] ris(dithiophosphate)	TLV	0,5 mg/m3	
15874-48-3) Residual Oils (petroleum), Rolvent-refined 64742-01-4)	TLV	1 mg/m3	Mist.
White mineral oil (petroleum (8042-47-5)	TLV	1 mg/m3	Mist.
Poland. MACs. Minister of Labou n Working Environment	r and Social Policy Regardi	_	ntrations and Intensitie
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined 64742-01-4)	STEL	10 mg/m3	Aerosol
317.12.31.19	TWA	5 mg/m3	Aerosol
Vhite mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Portugal. VLEs. Norm on occupat Components	ional exposure to chemica Type	l agents (NP 1796) Value	Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) 15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined 64742-01-4)	STEL	10 mg/m3	Aerosol
· · · · · · · · · · · · · · · · · · ·	TWA	5 mg/m3	Aerosol
Vhite mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of wo Components	rkers from exposure to che Type	emical agents at the workplace Value	•
Residual Oils (petroleum), Solvent-refined 64742-01-4)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Vhite mineral oil (petroleum (8042-47-5)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Slovakia. OELs. Regulation No. 3 Components	00/2007 concerning prote Type	ction of health in work with ch Value	emical agents Form
Antimony Tris[o,o-dipropyl] Fris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Nhite mineral oil (petroleum (8042-47-5)	TWA	1 mg/m3	Fume and mist.
		5 ppm	Fume and mist.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	Inhalable fraction.
Spain. Occupational Exposure Li	mits		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,5 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Sweden. Occupational Exposure	Limit Values		
Components	Туре	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (15874-48-3)	TWA	0,25 mg/m3	Inhalable dust.
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
White mineral oil (petroleum ) (8042-47-5)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
UK. EH40 Workplace Exposure L	imits (WELs)		
Components	Туре	Value	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	TWA	0,5 mg/m3	

**Biological limit values**No biological exposure limits noted for the ingredient(s).

**Recommended monitoring** 

procedures

Follow standard monitoring procedures.

8.2. Exposure controls

(15874-48-3)

Appropriate engineering

controls

Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

**General information**Use personal protective equipment as required. **Eye/face protection**Use personal protective equipment as required.

Skin protection

- Other Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and immediately after

handling the product. Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure** 

controls

Not available.

### **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

**Appearance** Grease

**Appearance** 

Physical state Liquid.

**Form** Grease Grease

Colour Dark grey.

Dark grey.

Odour Petroleum **Odour threshold** Not available. рΗ Not applicable. Melting point/freezing point Not available.

Initial boiling point and

boiling range

360 °C (680 °F) estimated

Flash point 262,00 °C (503,60 °F) Pensky-Martens Closed Cup (Base Oil)

**Auto-ignition temperature** 260 °C (500 °F) estimated Information on basic physical and chemical properties

Flammability limit - lower

(%)

Not available.

Flammability limit -

upper (%)

Not available

Vapour pressure

0,000010998 hPa estimated

900,00 kg/m3 Density Vapour density Not applicable. **Evaporation rate** Not applicable. Not available. Relative density Negligible Solubility(ies)

Solubility (other) Oil

**Partition coefficient** Not available.

(n-octanol/water)

Not available. **Decomposition temperature** 

460 cSt Viscosity

Viscosity temperature 40 °C (104 °F) ASTM D445 VOC (Weight %) 0,035 % estimated Percent volatile 0,035 % estimated

Other data

**Drop point** 261 °C (501,8 °F)

Flammability class Combustible IIIB estimated

0.9 Specific gravity

9.2. Other information No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity None known. Strong oxidizing agents. 10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

Not available.

10.4. Conditions to avoid Avoid temperatures exceeding the flash point.

10.5. Incompatible materials None known.

10.6. Hazardous No dangerous reaction known under conditions of normal use. At thermal decomposition decomposition products temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.

# **SECTION 11: Toxicological information**

**General information** Not available. Information on likely routes of exposure

Ingestion Harmful if swallowed. Harmful if inhaled. Inhalation Skin contact Not available. Not available. Eye contact Not available. **Symptoms** 

#### 11.1. Information on toxicological effects

Harmful if inhaled. Harmful if swallowed. **Acute toxicity** 

Skin corrosion/irritation Not available. Serious eye Not available.

damage/irritation

Respiratory sensitisation Not available. Skin sensitisation Not available. Germ cell mutagenicity Not available.

Carcinogenicity May cause cancer. Reproductive toxicity Not available. Specific target organ toxicity Not available.

- single exposure

Specific target organ toxicity

- repeated exposure

Not available.

**Aspiration hazard** Not available. Mixture versus substance

information

Not available.

Other information Not available.

# **SECTION 12: Ecological information**

12.1. Toxicity Not expected to be harmful to aquatic organisms.

**Product** Species Test results Molylube Multipurpose Extreme Pressure Grease with Moly 460-2 (Mixture) Crustacea EC50 Daphnia 36222,2227 mg/l, 48 hours, estimated Fish LC50 68326,0156 mg/l, 96 hours, estimated Fish

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative

potential

Not available

**Bioconcentration factor (BCF)** Not available. 12.4. Mobility in soil Not available.

12.5. Results of PBT

Not a PBT or vPvB substance or mixture.

and vPvB assessment

12.6. Other adverse effects Not available.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material methods/information and its container must be disposed of as hazardous waste. Do not allow this material to drain into

sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

# **SECTION 14: Transport information**

# **ADR**

Not regulated as dangerous goods.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

#### RID

Not regulated as dangerous goods.

#### ADN

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### **IMDG**

Not regulated as dangerous goods.

# **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU regulations**

**Authorisations** 

Restrictions on use

#### Other EU regulations

# Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Pregnant

women should not work with the product, if there is the least risk of exposure.

National regulations

Young people under 18 years old are not allow to work with this product according to the EU

Directive 94/33/EC on the protection of young people at work.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

#### **SECTION 16: Other information**

List of abbreviationsNot available.ReferencesNot available.Information on evaluationNot available.

method leading to the classification of mixture
Full text of any statements or

R20/22 Harmful by inhalation and if swallowed.

R-phrases and H-statements under Sections 2 to 15

R51/53 Toxic to aquatic organisms, May cause long-term adverse effects in the aquatic

environment.

H302 - Harmful if swallowed. H332 - Harmful if inhaled.

H411 - Toxic to aquatic life with long lasting effects.

Revision information IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Composition/Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
SECTION 9: Physical and chemical properties: Appearance
SECTION 9: Physical and chemical properties: Colour

**Training information** Not available.

**Disclaimer** Bel-Ray Company cannot anticipate all conditions under which this information and its product, or

the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to

assume liability for loss, injury, damage or expense due to improper use.

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