



SAFETY DATA SHEET

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

Product identifier

Trade name or designation of the mixture Molylube Repair Compound

Product code 76780

Registration number -

Synonyms Molylube Repair Compound

Date of first issue 12-November-2011

Version number 1,0

Revision date 12-November-2011

Supersedes date

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

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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

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Not classified for health hazards. However, occupational exposure to the mixture or substance(s) 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

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
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
Residual Oils (petroleum), Solvent-refined	0 - < 80	64742-01-4 265-101-6	-	649-459-00-4	#
Classification:	DSD: -				
	CLP: -				
White mineral oil (petroleum)	0 - < 80	8042-47-5 232-455-8	-	-	#
Classification:	DSD: -				
	CLP: -				
ALUMINIUM OXIDE	10 - < 20	1344-28-1 215-691-6	-	-	
Classification:	DSD: -				
	CLP: -				
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)-	3 - < 5	54326-11-3 259-105-7	-	-	#
Classification:	DSD: -				
	CLP: -				

Other components below reportable levels 1 - < 3

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 Not available.

Section 4: First aid measures

General information Not available.

Description of first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
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	Rinse mouth. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control centre immediately. 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 Not available.

Section 5: Firefighting measures

General fire hazards	Not available.
Extinguishing media	
Suitable extinguishing media	Water fog.
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	Not available.
For emergency responders	Not available.
Environmental precautions	No special environmental precautions required.
Methods and material for containment and cleaning up	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	Avoid prolonged exposure. Use care in handling/storage.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.
Specific end use(s)	Not available.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Austria

No exposure limits noted for the ingredient(s).

Belgium. Exposure Limit Values.

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	Mist.
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
	TWA	5 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

Components	Type	Value
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3

Cyprus

No exposure limits noted for the ingredient(s).

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	Ceiling	10 mg/m3	Aerosol
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Aerosol
	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

Denmark. Exposure Limit Values

Components	Type	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.

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

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

Finland. Workplace Exposure Limits

Components	Type	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	2 mg/m3	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m3	Mist.

France

No exposure limits noted for the ingredient(s).

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	Type	Value	Form
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 Chemical Safety of Workplaces

Components	Type	Value	Form
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 154/1999 on occupational exposure limits

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

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	0,2 mg/m ³	Inhalable fraction.
White mineral oil (petroleum) (8042-47-5)	TWA	0,2 mg/m ³	Inhalable fraction.

Italy. OELs

Components	Type	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m ³	Respirable fraction.
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m ³	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	Type	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m ³	
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	3 mg/m ³	Fume and mist.
White mineral oil (petroleum) (8042-47-5)	TWA	1 mg/m ³	Fume and mist.
	STEL	3 mg/m ³	Fume and mist.
	TWA	1 mg/m ³	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	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TWA	5 mg/m ³	Mist.
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m ³	Mist.

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	TLV	1 mg/m ³	Mist.
White mineral oil (petroleum) (8042-47-5)	TLV	1 mg/m ³	Mist.

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

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m ³	Aerosol
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m ³	Aerosol
	STEL	10 mg/m ³	Aerosol
	TWA	5 mg/m ³	Aerosol

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m ³	Aerosol
	TWA	5 mg/m ³	Aerosol

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
Residual Oils (petroleum), Solvent-refined (64742-01-4)	STEL	10 mg/m3	
	TWA	5 mg/m3	
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	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Aerosol

Slovenia

No exposure limits noted for the ingredient(s).

Spain. Occupational Exposure Limits

Components	Type	Value	Form
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	Type	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	Total 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.

Switzerland

No exposure limits noted for the ingredient(s).

United Kingdom

No exposure limits noted for the ingredient(s).

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	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. 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.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	Not available.
Hygiene measures	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	Paste.
Physical state	Liquid.
Form	Grease
Colour	Green Brown.
Odour	Petroleum
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	2000 °C (3632 °F) estimated
Boiling point, initial boiling point, and boiling range	360 °C (680 °F) estimated
Flash point	135 °C (275 °F) estimated
Auto-ignition temperature	260 °C (500 °F) estimated
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	0,56 hPa estimated
Density	1,5 g/cm ³ estimated
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	Not available.
Solubility (water)	Not available.
Solubility (other)	Not available.

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	Not available.
Viscosity temperature	Not available.
VOC (Weight %)	0,03 % estimated
Percent volatile	0,03 % estimated
Other data	
Flammability class	Combustible IIIB estimated
Specific gravity	1,5 estimated
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	Acids. Chlorine.
Hazardous decomposition products	No dangerous reaction known under conditions of normal use. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Section 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Symptoms	Not available.
Information on toxicological effects	
Acute toxicity	Not available.
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
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.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	This product has no known adverse effect on human health.

Section 12: Ecological information

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
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.
EU waste code	Not available.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

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 abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15 None.

Revision information	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING: Synonyms Composition/Information on Ingredients: Ingredients
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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