



# SAFETY DATA SHEET

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

### 1.1. Product identifier

Trade name or designation of the mixture	Marine Rust Preventative Coating
Product code	99706
SDS number	6610
Registration number	-
Synonyms	None.
Date of first issue	04-August-2011
Version number	1,2
Revision date	01-April-2013
Supersedes date	19-April-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** R10

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

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

##### Physical hazards

Flammable liquids	Category 3	Flammable liquid and vapour.
-------------------	------------	------------------------------

##### Health hazards

Skin corrosion/irritation	Category 2	Causes skin irritation.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	May cause drowsiness or dizziness.

##### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	Harmful to aquatic life with long lasting effects.
--	------------	--

### Hazard summary

<b>Physical hazards</b>	Flammable.
<b>Health hazards</b>	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

<b>Environmental hazards</b>	Not classified for hazards to the environment.
<b>Specific hazards</b>	May cause central nervous system effects.
<b>Main symptoms</b>	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Irritant effects.

## 2.2. Label elements

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

**Contains:** 1,2,4-Trimethyl benzene, Solvent naphta, Petroleum, Medium Aliphatic, Stoddard solvent

#### Hazard pictograms



**Signal word** Warning

**Hazard statements** Flammable liquid and vapour. Causes skin irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.

### Precautionary statements

**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapour. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves and eye/face protection. Wear protective gloves.

**Response** IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell. Specific treatment (see on this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use for extinction.

**Storage** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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
Stoddard solvent	30 - < 40	8052-41-3 232-489-3	-	649-345-00-4	
<b>Classification:</b>	<b>DSD:</b> Xn;R65				
	<b>CLP:</b> Flam. Liq. 3;H226, Asp. Tox. 1;H304, STOT SE 3;H336				
Hydrotreated Light Distillates (petroleum)	10 - < 20	64742-47-8 265-149-8	-	649-422-00-2	
<b>Classification:</b>	<b>DSD:</b> Xn;R65				
	<b>CLP:</b> Asp. Tox. 1;H304, Aquatic Chronic 2;H411				
Solvent naphta, Petroleum, Medium Aliphatic	10 - < 20	64742-88-7 265-191-7	-	649-405-00-X	
<b>Classification:</b>	<b>DSD:</b> Xn;R65, R52-53				
	<b>CLP:</b> Asp. Tox. 1;H304, Skin Irrit. 2;H315, Aquatic Chronic 4;H413				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
1,2,4-Trimethyl benzene	1 - < 3	95-63-6 202-436-9	-	601-043-00-3	#
<b>Classification:</b>	<b>DSD:</b> R10, Xn;R20, Xi;R36/37/38, N;R51/53 <b>CLP:</b> Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Acute Tox. 4;H332, STOT SE 3;H335, Aquatic Chronic 2;H411				

Other components below reportable levels 20 - < 30

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. Call a physician if symptoms develop or persist. Wash contaminated clothing before reuse.

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. Call a POISON CENTRE or doctor/physician if you feel unwell.

**Skin contact** Take off immediately all contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**Ingestion** Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give liquid to an unconscious person.

**4.2. Most important symptoms and effects, both acute and delayed** Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Irritant effects.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

## SECTION 5: Firefighting measures

**General fire hazards** Flammable liquid and vapour.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Carbon dioxide (CO2). Alcohol resistant foam. Powder. Dry chemicals.

**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** By heating and fire, harmful vapours/gases may be formed.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

**Special fire fighting procedures** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Water runoff can cause environmental damage.

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering them. In case of spills, beware of slippery floors and surfaces.
<b>For emergency responders</b>	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. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. This product is miscible in water.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage with non-combustible, absorbent material. Following product recovery, flush area with water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Small Spills: 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

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in cool place. Refrigeration recommended. Store in a well-ventilated place. Keep container tightly closed. Keep in an area equipped with sprinklers. 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), BGBl. II, no. 184/2001

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	MAK	100 mg/m3
	STEL	20 ppm
		150 mg/m3 30 ppm

##### Belgium. Exposure Limit Values.

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
		20 ppm	
Calcium carbonate (471-34-1)	TWA	10 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	10 mg/m3	Mist.
Hydrotreated Light Distillate s (petroleum) (64742-47-8)	TWA	5 mg/m3	Mist.
	TWA	200 mg/m3	Vapor.
Petrolatum (8009-03-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Belgium. Exposure Limit Values.**

Components	Type	Value	Form
Stoddard solvent (8052-41-3)	TWA	533 mg/m3	
		100 ppm	

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Calcium carbonate (471-34-1)	TWA	1 fibers/cm3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
		10 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	5 mg/m3	
Hydrotreated Light Distillate s (petroleum) (64742-47-8)	TWA	300 mg/m3	
Petrolatum (8009-03-8)	TWA	5 mg/m3	

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

Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m3	

**Czech Republic. OELs. Government Decree 361**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	Ceiling	250 mg/m3	
	TWA	100 mg/m3	
Petrolatum (8009-03-8)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Denmark. Exposure Limit Values**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TLV	100 mg/m3	
		20 ppm	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
Petrolatum (8009-03-8)	TLV	1 mg/m3	Mist.
Stoddard solvent (8052-41-3)	TLV	145 mg/m3	
		25 ppm	

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
		20 ppm	
Calcium carbonate (471-34-1)	TWA	5 mg/m3	Respirable dust.
		10 mg/m3	
Stoddard solvent (8052-41-3)	STEL	600 mg/m3	
		100 ppm	
	TWA	300 mg/m3	
		50 ppm	

**Finland. Workplace Exposure Limits**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
		20 ppm	
Hydrotreated Light Distillate s (petroleum) (64742-47-8)	TWA	500 mg/m3	

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

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	VLE	250 mg/m3
		50 ppm
	VME	100 mg/m3
		20 ppm
Calcium carbonate (471-34-1)	VME	10 mg/m3

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3
		20 ppm
Hydrotreated Light Distillates (petroleum) (64742-47-8)	TWA	140 mg/m3
		20 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	AGW	100 mg/m3
		20 ppm

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

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	125 mg/m3	
		25 ppm	
Calcium carbonate (471-34-1)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Petrolatum (8009-03-8)	TWA	5 mg/m3	Mist.
Stoddard solvent (8052-41-3)	STEL	720 mg/m3	
	TWA	125 ppm	
		575 mg/m3	
		100 ppm	

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Calcium carbonate (471-34-1)	TWA	10 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	Ceiling	5 mg/m3	Mist.
Petrolatum (8009-03-8)	Ceiling	5 mg/m3	Mist.

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
		20 ppm	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	1 mg/m3	Mist.
Petrolatum (8009-03-8)	TWA	1 mg/m3	Mist.
Stoddard solvent (8052-41-3)	TWA	145 mg/m3	
		25 ppm	

**Ireland. Occupational Exposure Limits Components**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Calcium carbonate (471-34-1)	TWA	20 ppm 4 mg/m3	Respirable dust.
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	10 mg/m3 0,2 mg/m3	Total inhalable dust. Inhalable fraction.
Petrolatum (8009-03-8)	TWA	0,2 mg/m3	Inhalable fraction.
Stoddard solvent (8052-41-3)	TWA	573 mg/m3 100 ppm	

**Italy. Occupational Exposure Limits Components**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	20 ppm 5 mg/m3	Inhalable fraction.
Petrolatum (8009-03-8)	TWA	5 mg/m3	Inhalable fraction.
Stoddard solvent (8052-41-3)	TWA	100 ppm	

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment Components**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3
Calcium carbonate (471-34-1)	TWA	20 ppm 6 mg/m3
Petrolatum (8009-03-8)	TWA	5 mg/m3

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	20 ppm 3 mg/m3	Fume and mist.
Hydrotreated Light Distillates (petroleum) (64742-47-8)	TWA STEL	1 mg/m3 500 mg/m3	Fume and mist.
Petrolatum (8009-03-8)	TWA STEL TWA	350 mg/m3 3 mg/m3 1 mg/m3	Fume and mist. Fume and mist.

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A Components**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3 20 ppm

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3 20 ppm

**Netherlands. OELs (binding)**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	STEL TWA	200 mg/m3 100 mg/m3	

**Netherlands. OELs (binding)**

Components	Type	Value	Form
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	5 mg/m3	Mist.
Petrolatum (8009-03-8)	TWA	5 mg/m3	Mist.

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TLV	1 mg/m3	Mist.
Hydrotreated Light Distillates (petroleum) (64742-47-8)	TLV	275 mg/m3	
Petrolatum (8009-03-8)	TLV	40 ppm 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
1,2,4-Trimethyl benzene (95-63-6)	STEL	170 mg/m3	
Calcium carbonate (471-34-1)	TWA	100 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	TWA	10 mg/m3	Dust.
Hydrotreated Light Distillates (petroleum) (64742-47-8)	STEL	10 mg/m3	Aerosol
Petrolatum (8009-03-8)	TWA	5 mg/m3	Aerosol
Stoddard solvent (8052-41-3)	STEL	300 mg/m3	
	TWA	100 mg/m3	
	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
	STEL	900 mg/m3	
	TWA	300 mg/m3	

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
		20 ppm	

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

Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	10 mg/m3	Aerosol
Petrolatum (8009-03-8)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Stoddard solvent (8052-41-3)	TWA	100 ppm	

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

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	20 ppm 10 mg/m3	
Petrolatum (8009-03-8)	TWA	5 mg/m3	
	STEL	10 mg/m3	
	TWA	5 mg/m3	
Stoddard solvent (8052-41-3)	STEL	1000 mg/m3	



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

Components	Type	Value
	TWA	700 mg/m3

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Calcium carbonate (471-34-1)	TWA	20 ppm 10 mg/m3	
Petrolatum (8009-03-8)	TWA	1 mg/m3 5 ppm	Fume and mist. Fume and mist.
Stoddard solvent (8052-41-3)	TWA	300 mg/m3 50 ppm	

**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
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3 20 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m3	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	20 ppm 10 mg/m3	Mist.
Petrolatum (8009-03-8)	TWA STEL TWA	5 mg/m3 10 mg/m3 5 mg/m3	Mist. Mist. Mist.

**Sweden. Occupational Exposure Limit Values**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	STEL	170 mg/m3	
	TWA	35 ppm 120 mg/m3 25 ppm	
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	STEL	3 mg/m3	Mist.
Hydrotreated Light Distillate s (petroleum) (64742-47-8)	TWA STEL	1 mg/m3 500 mg/m3	Mist.
Petrolatum (8009-03-8)	TWA STEL TWA	350 mg/m3 3 mg/m3 1 mg/m3	Mist. Mist.
Stoddard solvent (8052-41-3)	STEL	300 mg/m3	
	TWA	50 ppm 150 mg/m3 25 ppm	

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	STEL	200 mg/m3	
	TWA	40 ppm 100 mg/m3 20 ppm	
Calcium carbonate (471-34-1)	TWA	3 mg/m3	Respirable dust.

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

Components	Type	Value	Form
1,2,4-Trimethyl benzene (95-63-6)	TWA	125 mg/m <sup>3</sup>	
Calcium carbonate (471-34-1)	TWA	25 ppm 4 mg/m <sup>3</sup>	Respirable dust.
		4 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable. Inhalable dust. Inhalable

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

Components	Type	Value
1,2,4-Trimethyl benzene (95-63-6)	TWA	100 mg/m <sup>3</sup>  20 ppm

**Biological limit values****Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices**

Components	Value	Determinant	Specimen	Sampling time
Stoddard solvent (8052-41-3)	25 %	red blood cell or total blood acetylcholineste activity (EC. 3.1.1.7.)	Reduction from individual baseline activity in red blood cells	Sampling time: Not critical.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**8.2. Exposure controls**

**Appropriate engineering controls** Explosion-proof general and local exhaust ventilation.

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

**General information** Applicable for industrial settings only: Use personal protective equipment as required.

**Eye/face protection** Wear eye/face protection.

**Skin protection****- Hand protection**

Wear protective gloves.

**- Other**

Wear suitable protective clothing. Wear protective gloves. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Thermal hazards**

Not available.

**Hygiene measures**

When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls**

Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

**Appearance** Oily.

**Appearance**

**Physical state** Liquid.

**Form** Grease  
Grease

**Colour** Tan.  
Tan.

**Odour** Petroleum

**Odour threshold** Not available.

**pH** Not applicable.

**Melting point/freezing point** Not available.

<b>Initial boiling point and boiling range</b>	168,4 °C (335,12 °F)
<b>Flash point</b>	43,00 °C (109,40 °F) Pensky-Martens Closed Cup
<b>Auto-ignition temperature</b>	210 °C (410 °F) estimated
<b>Flammability (solid, gas)</b>	Not applicable.

#### Information on basic physical and chemical properties

<b>Flammability limit - lower (%)</b>	0,7 % estimated
<b>Flammability limit - upper (%)</b>	6 % estimated
<b>Oxidizing properties</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Vapour pressure</b>	2,494105738 hPa estimated
<b>Density</b>	860,00 kg/m <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Negligible
<b>Solubility (other)</b>	Oil
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not applicable.
<b>VOC (Weight %)</b>	< 1 %
<b>Percent volatile</b>	0,566 % estimated

#### Other data

<b>Flammability class</b>	Combustible II estimated
<b>Specific gravity</b>	0,86
<b>9.2. Other information</b>	No relevant additional information available.

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Strong oxidizing agents.
<b>10.2. Chemical stability</b>	Risk of ignition. Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Not available.
<b>10.4. Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents.
<b>10.6. Hazardous decomposition products</b>	Toxic gas. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

<b>General information</b>	Not available.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Not available.
<b>Inhalation</b>	Not available.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Not available.
<b>Symptoms</b>	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Irritant effects.

### 11.1. Information on toxicological effects

Product	Species	Test results
Marine Rust Preventative Coating (Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	34229,8203 mg/kg, estimated

Product	Species	Test results
		3030,3044 g/kg, estimated
	Rat	30303,0313 g/kg, estimated
<i>Inhalation</i>		
LC50	Mouse	70000 mg/l, estimated
	Rat	34695,4492 mg/l, estimated
<i>Oral</i>		
LD50	Guinea pig	120 g/kg, estimated
	Mouse	71696,8203 mg/kg, estimated
		120 g/kg, estimated
	Rabbit	32 g/kg, estimated
	Rat	48327,5977 mg/kg, estimated
		107,1641 g/kg, estimated
<i>Other</i>		
LD50	Mouse	63532,1992 mg/kg, estimated
	Rabbit	28000 mg/kg, estimated
	Rat	34000 mg/kg, estimated
Components	Species	Test results

1,2,4-Trimethyl benzene (95-63-6)

#### Acute

##### *Dermal*

LD50 Rabbit > 3160 mg/kg

##### *Inhalation*

LC50 Rat > 2000 mg/l, 48 Hours

##### *Oral*

LD50 Rat 6 g/kg

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

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Not available.

**Respiratory sensitisation** Not available.

**Skin sensitisation** Not available.

**Germ cell mutagenicity** Not available.

#### Carcinogenicity

##### IARC Monographs. Overall Evaluation of Carcinogenicity

PETROLEUM SOLVENTS (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** May cause irritation to the respiratory system. Narcotic effects.

**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** Accumulation in aquatic organisms is expected. Harmful to aquatic life with long lasting effects.

Product	Species	Test results
Marine Rust Preventative Coating (Mixture)		
Crustacea	EC50 Daphnia	2442,7852 mg/l, 48 hours, estimated
Fish	LC50 Fish	522,0966 mg/l, 96 hours, estimated

Components	Species	Test results
1,2,4-Trimethyl benzene (95-63-6)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 7,19 - 8,28 mg/l, 96 hours

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

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

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)**

Stoddard solvent 3,16 - 7,15

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**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 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

### General

IMDG Regulated Marine Pollutant.

### ADR

**14.1. UN number** UN1268  
**14.2. UN proper shipping name** Petroleum distillates, N.O.S. or PETROLEUM PRODUCTS, n.o.s.  
**14.3. Transport hazard class(es)** 3  
**Subsidiary class(es)** -  
**14.4. Packing group** III  
**14.5. Environmental hazards** No  
**Tunnel restriction code** D/E  
**Labels required** 3  
**14.6. Special precautions for user** Not available.

### RID

**14.1. UN number** UN1268  
**14.2. UN proper shipping name** Petroleum distillates, N.O.S. or PETROLEUM PRODUCTS, n.o.s.  
**14.3. Transport hazard class(es)** 3  
**Subsidiary class(es)** -  
**14.4. Packing group** III  
**14.5. Environmental hazards** No

Labels required 3  
14.6. Special precautions for user Not available.

#### ADN

14.1. UN number UN1268  
14.2. UN proper shipping name Petroleum distillates  
14.3. Transport hazard class(es) 3  
Subsidiary class(es) -  
14.4. Packing group III  
14.5. Environmental hazards No  
Labels required 3  
14.6. Special precautions for user Not available.

#### IATA

14.1. UN number UN1268  
14.2. UN proper shipping name Petroleum products, n.o.s.  
14.3. Transport hazard class(es) 3  
Subsidiary class(es) -  
14.4. Packing group III  
14.5. Environmental hazards Not available.  
Labels required Not available.  
ERG Code 3L  
14.6. Special precautions for user Not available.

#### IMDG

14.1. UN number UN1268  
14.2. UN proper shipping name Petroleum distillates, N.O.S. or PETROLEUM PRODUCTS, n.o.s.  
14.3. Transport hazard class(es) 3  
Subsidiary class(es) -  
14.4. Packing group III  
14.5. Environmental hazards  
Marine pollutant No  
Labels required Not available.  
EmS No. F-E, S-E  
14.6. Special precautions for user Not available.  
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

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

#### EU regulations

#### Authorisations

## Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Stoddard solvent (CAS 8052-41-3)

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Stoddard solvent (CAS 8052-41-3)

## 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**

1,2,4-Trimethyl benzene (CAS 95-63-6)

Hydrotreated Light Distillates (petroleum) (CAS 64742-47-8)

Solvent naphta, Petroleum, Medium Aliphatic (CAS 64742-88-7)

Stoddard solvent (CAS 8052-41-3)

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

Stoddard solvent (CAS 8052-41-3)

## 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.

## National regulations

Not available.

## 15.2. 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-statements under Sections 2 to 15

R10 Flammable.  
R20 Harmful by inhalation.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R38 Irritating to skin.  
R51/53 Toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment.  
R52 Harmful to aquatic organisms.  
R53 May cause long-term adverse effects in the aquatic environment.  
R65 Harmful: May cause lung damage if swallowed.  
R67 Vapours may cause drowsiness and dizziness.  
H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H332 - Harmful if inhaled.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.  
H413 - May cause long lasting harmful effects to aquatic life.

## Revision information

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:  
Physical States

## 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

20-December-2011

## Revision date

01-April-2013

## Print date

01-April-2013

## Inventory status

### Country(s) or region

Australia

Canada

China

### Inventory name

Australian Inventory of Chemical Substances (AICS)

Domestic Substances List (DSL)

Inventory of Existing Chemical Substances in China (IECSC)

### On inventory (yes/no) \*

Yes

Yes

Yes

Country(s) or region	Inventory name	On inventory (yes/no) *
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)