

Material Safety Data Sheet

LHRP 2

1. Product and Company Identification

Prepared on: 30-06-2010/ TKO	Manufacturer/supplier: SKF Maintenance Products Postbox 1008 3430 BA Nieuwegein The Netherlands Tel:+31 30 6307200 Fax:+31 30 6307205
Use: Corrosion inhibitor.	

2. Composition/Information on Ingredients

CAS No.	Designation	LD50 / LC50 of Ingredient	w/w%
111-65-9	Octane [and isomers]	N/AV	0.1-1
61790-48-5	Sulfonic acids, petroleum, barium salts	N/AV	1-5
68603-10-1	Hydrocarbon waxes (petroleum), oxidized, Me esters,	N/AV	1-5
71-43-2	barium salts		
124-22-1	Dodecylamine	N/AV	0.1-1
	Naphtha (petroleum)	N/AV	30-100

3. Hazards Identification

Routes of Entry: Inhalation and ingestion.
Potential Health and Environmental effects: Harmful on inhalation. Harmful if swallowed. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

4. First Aid Measures

By inhalation: Seek fresh air. Keep victim under observation. Call for medical attention or ambulance.
By ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Call for medical attention/ambulance.
By skin contact: In case of irritation: Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
By eye contact: In case of irritation: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information: When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

5. Firefighting Measures

Flammability No	If yes, under which conditions? -	
Means of Extinction Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire. Use water or water mist to cool non-ignited stock. Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air.		
Flashpoint (°C) and Method 65 °C, COC	Upper Flammable Limit (% by volume) N/AV	Lower Flammable Limit (% by volume) N/AV
Autoignition Temperature (°C) N/AV	Explosion Data - Sensitivity to Impact N/AV	Explosion Data - Sensitivity to Static Discharge N/AV
Hazardous Combustion Products Carbon mono- and dioxide, nitrogen and sulphur oxides.		

6. Accidental Release Measures

Use the same personal protective equipment as stated in section 8. Smoking and open flames prohibited. Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal. Wipe up minor spills with a cloth.

7. Handling and Storage

Handling:

See section 8 for information about precautions for use and personal protective equipment. Smoking and open flames prohibited. Avoid contact with skin and eyes. The product is stable when used in accordance with the supplier's directions.

Storage:

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging.

8. Exposure Control/Personal Protection

Design of technical systems:

Use the product under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Running water and eye wash equipment should be available.

Respiratory protection:

In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.

Hand and body protection:

Plastic or rubber gloves recommended.

Eye protection:

Wear safety goggles if there is a risk of eye splash.

Occupational exposure limits:

Substance	Exposure limit	Remarks
Oil, mist - mineral, severely refined	TWA: 1 mg/m ³	OHS
Oil, mineral - mist	TWAEV: 5 mg/m ³ STEV 10 mg/m ³	Ontario
Oil, mist - mineral	8-h TWA: 5 mg/m ³ 15- min STEL: 10 mg/m ³	Alberta
Barium and soluble compounds, as Ba	TWA: 1 mg/m ³	OHS
Barium and soluble compounds, as Ba	TWA: 0.5 mg/m ³	Alberta
Octane, all isomers	TWA 300 ppm	OHS
Octane, all isomers	8-h TWA 300 ppm, 1400 mg/m ³ STEL: 375 ppm, 1750 mg/m ³	Ontario
Octane, all isomers	8-h TWA 300 ppm, 1400 mg/m ³	Alberta

TWA: time-weighted average STEL: short-term exposure limit

Control methods:

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

9. Physical and Chemical Properties

State: Liquid	Solubility in water: Not soluble
Colour: Yellow brown	Explosion limits: 0.7-6 vol%
Odour: Characteristic	Viscosity: 25 mm ² /s (40 °C) ASTM D 445-88
Melting point: 15 °C	
Boiling point: > 120 °C ASTM D 1120-94	
Density: 0.835 g/ml (15 °C) ASTM F 1298-88	

10. Stability and Reactivity

Chemical Stability Stable Yes	If no, under which conditions? -
Incompatibility with Other Substances Yes	If yes, which ones? Strong oxidizing agents.
Reactivity, and Under What Conditions? None known	
Hazardous Decomposition Products None known	

11. Toxicological Information

Immediate effects

Inhalation:

Harmful on inhalation.

Ingestion:

Harmful if swallowed.

Skin contact:

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

Eye contact:

May cause eye irritation.

Sensitisation:

Skin, respiratory: Not expected to cause sensitization.

Long-term effects

Cancer:

IARC/ACGIH: None.

Risk of damage to reproduction, teratogenicity and embryotoxicity:

Not expected to cause reproductive effects.

Risk of damage to the central nervous system:

Not expected to cause CNS effects.

Risk of damage to genes:

Not expected to be a mutagen.

Risk of irreversible damages:

Synergistic effects: None known.

12. Ecological Information

Avoid discharge to drain or surface water.

Ecotoxicity:

By analogy to similar products, the product is not expected to be acute toxic to aquatic organisms.

Dodecylamine: Acute Toxicity, fish LD50, 96h, Pimephales promelas: 0.103 mg/l (Manufactures data)

The product contains small quantities of environmentally hazardous substances.

Mobility:

The product contains a substance which is insoluble in water, and it will consequently spread on water surfaces.

Mangler oversættelse

Degradability:

Biodegradable.

13. Disposal Considerations

Unusable material should be properly drummed. Consult local, provincial, and federal agencies for proper methods of disposal. Do not contaminate water supply when disposing of wastes or containers.

14. Transport Information

The product is not covered by the rules for transport of dangerous goods by road and sea according to TDG and IMDG.

15. Regulatory Information

WHMIS Symbol:



WHMIS Classification:

D2B

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR* .

16. Other Information

Sources:

OHS Guidelines Part 5, Table of Exposure Limits for Chemical and Biological Substances, October 2009. Consult local authorities for acceptable exposure limits.

Other information:

This safety data sheet was prepared from information provided by the supplier about the product at the time of preparation (e.g. data sheets and the like).