

Material Safety Data Sheet

LGMT 3

1. Product and Company Identification

Prepared on: 29-06-2010/ TKO	Manufacturer/supplier: SKF Maintenance Products Postbox 1008 3430 BA Nieuwegein The Netherlands Tel:+31 30 6307200 Fax:+31 30 6307205
Use: Lubricant.	

2. Composition/Information on Ingredients

CAS No.	Designation	LD50 / LC50 of Ingredient	w/w%
471-34-1	Calcium carbonate	N/AV	0.1-1
68412-26-0	Molybdenum, bis(dibutylcarbamodithioato)di- μ -oxodioxodi-, sulfurized	N/AV	0.1-1
12001-85-3	Naphthenic acids, zinc salts Lubricating oils (petroleum)	N/AV	1,7 60-100

3. Hazards Identification

Routes of Entry: Inhalation of mist.
Potential Health and Environmental effects: When heated or sprayed the product may emit mists that irritate the respiratory tract. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking.

4. First Aid Measures

By inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.
By ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. If vomiting occurs, keep head low so that stomach contents do not enter lungs. Seek medical advice in case of persistent discomfort.
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 > 220 °C ASTM D93, base oil	Upper Flammable Limit (% by volume) N/AV	Lower Flammable Limit (% by volume) N/AV
Autoignition Temperature (°C) >350 °C ASTM D659	Explosion Data - Sensitivity to Impact N/AV	Explosion Data - Sensitivity to Static Discharge N/AV
Hazardous Combustion Products Carbon mono- and dioxide.		

6. Accidental Release Measures

Use the same personal protective equipment as stated in section 8. 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. The product is stable when used in accordance with the supplier's directions. Avoid heating above 350 °C and contact with ignition sources.

Storage:
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:
Usually not required. In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.

Hand and body protection:
When skin contact is prolonged: Plastic or rubber gloves recommended.

Eye protection:
Usually not required. Wear safety goggles if there is a risk of eye splash.

Occupational exposure limits:

Substance	Exposure limit	Remarks
Molybdenum - Metal and insoluble compounds, respirable	TWA: 3 mg/m3	OHS + Ontario + Alberta
Molybdenum - Metal and insoluble compounds, inhalable	TWA: 10 mg/m3	OHS + Ontario + Alberta
Molybdenum - Soluble compounds, as Mo, respirable	TWA: 0.5 mg/m3	OHS + Ontario + Alberta
Calcium carbonate	TWA: 10 mg/m3 STEL: 20 mg/m3	OHS
Calcium carbonate	TWA: 10 mg/m3	Alberta
Oil, mist - mineral, severely refined	TWA: 1 mg/m3	OHS
Oil, mineral - mist	TWAEV: 5 mg/m3 STEV 10 mg/m3	Ontario
Oil, mist - mineral	8-h TWA: 5 mg/m3 15- min STEL: 10 mg/m3	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: Paste
 Colour: Reddish brown
 Odour: Mild
 Density: 0.95 g/ml
 Drop point: > 180 °C, ASTM D 566
 N.L.G.I Penetration: 3, ASTM D 217

Solubility in water: Not soluble
 Decomposition temp: > 350 °C

10. Stability and Reactivity

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

11. Toxicological Information**Immediate effects****Inhalation:**

Inhalation of spray mist may cause irritation to the upper airways.

Ingestion:

May irritate mucous membranes in mouth and gastrointestinal tract.
 LD50, oral, rat: > 2000 mg/kg (Manufactures data)

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.

Acute toxicity, fish LC50: > 100 ml/l (Manufactures data)

Mobility:

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

Degradability:

Contains substances which are not readily degradable.#CX 12.93

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:

Not Classified.

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 physical/chemical properties and all ingredients in the product.