

# Material Safety Data Sheet

LAGD 125/... LAGD 60/...

## 1. Product and Company Identification

Prepared on: 30-06-2010/ TKO	Manufacturer/supplier: <b>SKF Maintenance Products</b> <b>Postbox 1008</b> <b>3430 BA Nieuwegein</b> <b>The Netherlands</b> <b>Tel:+31 30 6307200 Fax:+31 30 6307205</b>
<b>Use:</b> Lubricant. Contained in a closed cartridge.	

## 2. Composition/Information on Ingredients

CAS No.	Designation	LD50 / LC50 of Ingredient	w/w%
10034-81-8	Perchloric acid, magnesium salt	N/AV	20-40
26628-22-8	Sodium azide	N/AV	10-20
7732-18-5	Water	N/AV	60-100
7786-81-4	Nickel sulphate	N/AV	0.1-1

## 3. Hazards Identification

<b>Routes of Entry:</b> The product is a sealed cell, and no chemical hazard is posed as long as the cell remains sealed.
<b>Potential Health and Environmental effects:</b> The sealed cartridge does not pose a health hazard. The paste contained in the cartridge is hazardous: Very toxic if swallowed. Harmful by inhalation. Irritating to the eyes. Irritating to the respiratory system. Irritating to the skin. May cause sensitisation by skin contact. Contact with combustible material may cause fire. Contact with acids liberates very toxic gas. Limited evidence of a carcinogenic effect.

## 4. First Aid Measures

<b>By inhalation:</b> Seek fresh air. Keep victim under observation. Seek medical advice in case of persistent discomfort.
<b>By ingestion:</b> 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 immediately.
<b>By skin contact:</b> Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>By eye contact:</b> Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.
<b>Other information:</b> When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

**5. Firefighting Measures**

<b>Flammability</b> No		<b>If yes, under which conditions?</b> -
<b>Means of Extinction</b> The product is not directly flammable. Avoid inhalation of vapour and fumes - seek fresh air.		
<b>Flashpoint (°C) and Method</b> N/AV	<b>Upper Flammable Limit (% by volume)</b> N/AV	<b>Lower Flammable Limit (% by volume)</b> N/AV
<b>Autoignition Temperature (°C)</b> N/AV	<b>Explosion Data - Sensitivity to Impact</b> N/AV	<b>Explosion Data - Sensitivity to Static Discharge</b> N/AV
<b>Hazardous Combustion Products</b> Metallic fumes, hydrogen chloride and nitrogen oxides.		

**6. Accidental Release Measures**

Use the same personal protective equipment as stated in section 8. Smoking and open flames prohibited. Prevent spillage from entering drains and/or surface water. Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. See section 13 for instructions on disposal. Do not use acidic cleaning agents. Caution! The paste causes burns.

**7. Handling and Storage**

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

**Storage:**  
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

**8. Exposure Control/Personal Protection**

**Design of technical systems:**  
Use the product under well-ventilated conditions. Running water and eye wash equipment should be available.

**Respiratory protection:**  
Intact cartridge: Not required.

**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
Sodium azide	Ceiling: 0.29 mg/m <sup>3</sup>	OHS
Sodium azide	CEV: 0.1 ppm 0.29 mg/m <sup>3</sup>	Ontario
Sodium azide	Ceiling: 0.29 mg/m <sup>3</sup>	Alberta
Nickel - Soluble inorganic compounds, as Ni	TWA: 0.05 mg/m <sup>3</sup> ; A1,1	OHS
Nickel - Soluble compounds, as Ni	TWA: 0.1 mg/m <sup>3</sup> ; A1	Ontario + 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 in sealed cartridge.  
pH (concentrate): 8.3-8.8

**10. Stability and Reactivity**

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

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

The product does not release hazardous vapours. Leaking cartridge: Inhalation of the paste is corrosive to the upper airways. Causes a burning sensation in the nose, mouth and throat, together with sneezing, coughing, breathing difficulties and chest pain.

**Ingestion:**

Leaking cartridge: The paste may cause burns to mouth, throat and stomach. Pains in mouth, throat and stomach. Difficulty in swallowing, indisposition and bloody vomit. Brown spots and burns may appear in and around the mouth.

**Skin contact:**

Leaking cartridge: The paste has a corrosive effect and causes burning pain, reddening, blisters and burns.

**Eye contact:**

Leaking cartridge: The paste may cause severe burns, pain, tearing and cramp of the eyelids. Risk of serious damage to eyes and loss of vision.

**Sensitisation:**

Skin, respiratory: Leaking cartridge: The paste may cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.

**Long-term effects****Cancer:**

The closed cartridge: None known. (Long-term effects) The paste contains nickel which may cause cancer.

**Risk of damage to reproduction, teratogenicity and embryotoxicity:**

The closed cartridge: None known. (Long-term effects)

**Risk of damage to the central nervous system:**

The closed cartridge: None known. (Long-term effects)

**Risk of damage to genes:**

The closed cartridge: None known. (Long-term effects)

**Risk of irreversible damages:**

The closed cartridge: Synergistic effects: None known. (Long-term effects)

## 12. Ecological Information

Do not discharge large quantities of concentrated spills and residue into drains.

**Ecotoxicity:**

The paste is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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 the product at the time of preparation (e.g. data sheets and the like).