



# SAFETY DATA SHEET

Material safety data sheet

LGFL 1

Last changed: 2006-03-13

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**TRADE NAME** LGFL 1  
**APPLICATION** SKF food compatible, low temperature bearing grease.

**Supplier**  
**Company** SKF Maintenance Products  
**Address** Postbus 1008  
**Postal code** NL-3430 BA Nieuwegein  
**Country** The Netherlands  
**Telephone** +31 30 6307200  
**Fax** +31 30 6307205  
**Contact person** Sébastien David  
**e-mail** sebastien.david@skf.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	R-List	Classification
1	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	204-414-9	95-38-5	0,25 - 1 %		C,N,R22 - R34 - R50/53
2	amine carboxylic acid compound	-	-	0,25 - 1 %		Xi,N,R38 - R41 - R50/53
3	amine neutralized phosphoric acid ester of alkylated alcohols	-	-	0,25 - 1 %		Xi,N,R36/38 - R51/53

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Carc. = Carcinogenic, Mut. = Mutagenic, Repr. = Reproductive

### INGREDIENT COMMENTS

The complete text of the R-phrases mentioned in section 2 is stated in section 16.

## 3. HAZARDS IDENTIFICATION

### HEALTH

May be irritating to eyes.  
Prolonged or frequently recurrent contact will degrease the skin and may cause skin irritation.

### FIRE AND EXPLOSION

Not flammable, but combustible.

### ENVIRONMENT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. FIRST AID MEASURES

### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Seek medical advice if symptoms develop.

### SKIN CONTACT

Immediately flush contaminated skin with soap or mild detergent and water. Immediately remove soaked clothing and flush the skin with water. Use appropriate hand lotion to prevent degreasing and cracking of skin. Seek medical advice if irritation persists.

### EYE CONTACT

Immediately flush eyes with plenty of water while holding eye lids open. Remove any contact lenses and continue rinsing with water for at least 15 minutes (keep the eyelids open). Seek medical advice if irritation persists.

### INGESTION

**DO NOT INDUCE VOMITING!** If vomiting occurs, keep head low so that stomach contents do not enter lungs. Thoroughly rinse the mouth with water. Drink a few glasses of water or milk. Seek medical advice.



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**5. FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Extinguishing agent: carbon dioxide, powder, foam, water spray or water mist.

**IMPROPER EXTINGUISHING MEDIA**

Do not use a direct water stream which may spread the fire.

**EXTINGUISHING METHODS**

Remove containers from fire area if this can be done without risk. Use water to cool exposed containers. If possible, fight the fire from a protected location.

**FIRE AND EXPLOSION HAZARDS**

Not flammable, but combustible. Carbon monoxide and hydrocarbons are released in a fire situation.

**PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS**

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Provide good ventilation.  
Avoid contact with the skin, eyes and airways.  
Wear necessary protective equipment. Keep the emission away from sources of ignition.

**ENVIRONMENTAL PRECAUTIONS**

Must not be released into the sewage system, drinking water supply or ground.

**METHODS FOR CLEANING UP**

Stop leak if this can be done without risk. Dry, scrape or absorb the product with inert material and place it in a refuse container. Collect and dispose of materials in closed and labelled containers at an approved disposal or waste collection facility. Clean with soap and water or detergent. Flush clean with plenty of water. Be aware of the risk of slippery surfaces.

**7. HANDLING AND STORAGE**

**HANDLING ADVICE**

Provide good ventilation. Avoid contact with the skin and eyes. Wear necessary protective equipment. Keep away from sources of ignition.

**STORAGE**

Keep in a dry, cool and well-ventilated area. Keep containers tightly closed.  
Store at temperatures below 50 °C. Avoid contact with oxidising substances. Keep away from sources of ignition.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**EXPOSURE CONTROL**

Provide good ventilation. Wash the skin at the end of each work shift and before eating, smoking and using restroom facilities. Eye wash facilities and safety shower must be available when handling this product.

**RESPIRATORY PROTECTION**

Respiratory protective equipment is usually not necessary. In case of insufficient ventilation, wear respiratory protective equipment with A/P2 filter.

**EYE PROTECTION**

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

**HAND PROTECTION**

Protective gloves (nitrile rubber, Viton<sup>®</sup>, 4H).

**PROTECTIVE CLOTHING**

Wear suitable protective clothing.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Paste.  
**Colour** White.  
**Odour** Product-specific odour.  
**Water solubility** Insoluble in water.

### Physical and chemical parameters

Parameter	Value / Unit	Method	Note
Density	0,9 g/cm <sup>3</sup>	20 °C	
Dropping point	> 220 °C / DIN ISO 2176		

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under recommended storage and handling conditions.

### CONDITIONS TO AVOID

Avoid heat, sparks and naked flames.

### MATERIALS TO AVOID

Avoid contact with oxidising substances.

## 11. TOXICOLOGICAL INFORMATION

### INHALATION

On warming/heating, the vapours emitted may cause irritation to the respiratory organs. May cause coughing and breathing difficulties.

### SKIN CONTACT

Prolonged or frequently recurrent contact will degrease the skin and may cause skin irritation.

### EYE CONTACT

May cause moderate irritation/smartering.

### INGESTION

May cause irritation of the mucous membranes, nausea and vomiting.

## 12. ECOLOGICAL INFORMATION

### AQUATIC ECOTOXICITY

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### MOBILITY

Insoluble in water.

### OTHER EFFECTS

Oil products may cause ground and water pollutants.

### CONCLUSION

Prevent discharge to the sewage system, waterways or lakes.

### OTHER INFORMATION

German water pollution classification (WGK): 2

## 13. DISPOSAL CONSIDERATIONS

### GENERAL REGULATIONS

Treat as hazardous waste. Collect and dispose of materials in closed and labelled containers at an approved disposal or waste collection facility. Empty packages must be handled in an environmentally safe manner in accordance with applicable laws and regulations.



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## CATEGORY OF WASTE

The EWC code is a suggestion only; the end user will select a suitable EWC code.13 02 08\* other engine, gear and lubricating oils.

## 14. TRANSPORT INFORMATION

Classified as Dangerous Goods:

Yes

No

N/A

## OTHER INFORMATION

Not classified as dangerous goods.

## 15. REGULATORY INFORMATION

EC-Label

Yes

No

N/A

## COMPOSITION

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (0,25 - 1 %), amine carboxylic acid compound (0,25 - 1 %), amine neutralized phosphoric acid ester of alkylated alcohols (0,25 - 1 %)

## R-PHRASES

Nr.	R-Phrase text
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-PHRASES

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

## REFERENCES

Directive 1999/45/EC.

Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances.

Directive 2001/58/EC (91/155/EEC).

European Waste Catalogue (EWC 2002).

Occupational exposure limits (EH40/2006)

Transport of dangerous goods: ADR, RID, IMDG and IATA.

## 16. OTHER INFORMATION

### LIST OF RELEVANT R-PHRASES

Nr.	R-Phrase text
R22	Harmful if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ISSUED:

09/03/2006