



SAFETY DATA SHEET

Material safety data sheet

LGAF 3E

Last changed: 2006-04-26

1. IDENTIFICATION OF PRODUCT AND COMPANY

TRADE NAME LGAF 3E
APPLICATION SKF anti-fretting agent.

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 %) | Classification |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------|--------------|----------------------------|
| 1 | Baseoil - unspecified | | | 60 - 100 % | No classification required |
| 2 | Calcium hydroxide | 215-137-3 | 1305-62-0 | 30 - 60 % | Xi, R36/38 |
| 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

Note L:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

3. HAZARDS IDENTIFICATION

GENERAL

Tests performed on this product, has shown that it shall not be classified:
Irritating to eyes and skin.

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

Oil products may cause ground and water pollutants.

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 oxides and phosphorus oxides are emitted in a fire. Formaldehyde. Hydrocarbons. Metals.

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

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. Protect against moisture. Keep away from sources of ignition. Keep containers tightly closed. Avoid contact with oxidising substances.

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 (PVA, 4H).

PROTECTIVE CLOTHING

Wear suitable protective clothing.



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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|---------------------------------------|
| Physical State | Paste. |
| Colour | White. |
| Odour | Odourless or no characteristic odour. |
| Water solubility | Insoluble in water. |

Physical and chemical parameters

| Parameter | Value / Unit | Method | Note |
|-------------|-----------------------|--------|------|
| Flash point | 160 °C | | |
| Density | 1,1 g/cm ³ | | |

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid heat, sparks and naked flames. Avoid temperatures above 150 °C.

MATERIALS TO AVOID

Avoid contact with oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

The product may release formaldehyde vapours at temperatures above 150 °C in the presence of air.

11. TOXICOLOGICAL INFORMATION

GENERAL

The product may emit formaldehyde when heated.

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

MOBILITY

Insoluble in water. The product floats on water.

ACCUMULATION

Bioaccumulation improbable.

OTHER EFFECTS

Oil products may cause ground and water pollutants.

CONCLUSION

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

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. 12 01 12* spent waxes and fats.

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

Baseoil-unspecified (60 - 100 %), Calcium hydroxide (30 - 60 %)

S-PHRASES

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

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

| No. | R-Phrase text |
|--------|------------------------------|
| R36/38 | Irritating to eyes and skin. |

ISSUED: 26/04/2006