1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Name of the product: LUB 200
Product application: Biodegradable fluid for machining metals.
Supplier: SKF Lubrication Systems France SAS
Rue Robert Amy, B.P. 70130
49404 Saumur cedex - France
Tél. +33 (0)2 241 404 200 · Fax +33 (0)2 241 404 242
www.skf.com/lubrication

Emergency telephones:
- 01.40.05.48.48 - Centre Anti-Poisons de Paris
  Hôpital Fernand WIDAL
  200, rue du Faubourg St-Denis - 75475 PARIS Cedex 10
- 04.72.11.69.11. - Centre Anti-Poisons de LYON
  Hôpitaux de LYON
  Bât.A - 162, avenue de Lacassagne - 69424 LYON Cedex 3
- 04.91.75.25.25 - Centre Anti-Poisons de MARSEILLE
  Hôpital SALVATOR
  249, bd de Sainte-Marguerite - 13274 MARSEILLE Cedex 9
- ORFILA: 01.45.42.59.59

2. HAZARDS IDENTIFICATION

Health effects
No specific hazards under normal use conditions

Environmental impact
None known under normal use conditions.

Physico-chemical hazards
No specific ignition or explosion risk, under normal use conditions.

Product classification
Not classified as dangerous under EC criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature
Mixture of triglycerides of natural origin. Refined colza oil.

Composition comments
Dangerous impurities:
None known under normal use conditions.

4. FIRST AID MEASURES

General
No specific measures
Inhalation
In case of respiratory difficulties, remove casualty to fresh air.
Obtain medical attention if necessary.

Ingestion
No specific measures.

Skin contact
Generally, the product does not irritate the skin.

Eye contact
Flush eye immediately and thoroughly with water by holding eyelids open during at least 15 minutes and hold a consultation with a specialist.

Aspiration
No specific treatment is generally needed. Do not induce vomiting to avoid the aspiration risks in the respiratory passages.

5. FIRE-FIGHTING MEASURES

FLASH POINT: (see chapter 9)

Suitable extinguishing means:
Carbon dioxide (CO2).

Unsuitable extinguishing means: DO NOT use water if avoidable.

Specific fire-fighting methods
No specific hazards.

6. ACCIDENTAL RELEASE MEASURES

After spillage / leakage
Product spillages may make surfaces slippery.
Avoid direct disposal into drains.

Spill cleanup methods
Absorb or contain liquid with sand, earth or spill control material.

7. HANDLING AND STORAGE

Never mix with any other chemical product.

HANDLING

Prevention of user exposure
No specific measures

Precautions
Keep away from heat, sparks and open flame.
Manipulate in agreement with the good industrial proceedings concerning health and safety.

STORAGE

Technical measures
Keep container tightly closed in a cool place.
Storage precautions
Store at ambient temperature, in a dry and well ventilated place.

Incompatible products
Avoid contact with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures
This preparation has not been subject as such to exposure testing.

Respiratory protection
No special respiratory protection is normally required.

Hand protection
No specific hand protection noted, but gloves may still be advisable.

Eye protection
Wear protective goggles against chemicals during any handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Liquid

Color
Light yellow

Odor
Characteristic

Density/specific gravity
916 kg/m³ at 15 °C

Flash point
310 °C according to NF T 60-118

Self-ignition temperature
344 °C

Temperatures at phase change
Pour point : –21 °C (NF T 60-105)

Solubility
Insoluble in water.

Soluble in aliphatic and halogenated hydrocarbons.

Viscosity
8 mm²/s - 100 °C - 36 mm²/s - 40 °C

Further information Biodegradability: > 95%

10. STABILITY AND REACTIVITY

Stability
Stable product at the usual temperatures of storage, handling and use.

Conditions to avoid
Strong oxidizer – avoid contact with reducing agents.

Hazardous polymerization
No risk of polymerization reaction.

Hazardous decomp. products
No dangerous decomposition product should form under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

BASIS OF ASSESSMENT:
Toxicologic data have not been determined specifically for this product.
SAFETY DATA SHEET

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ACUTE TOXICITY / LOCAL EFFECT
Data not available.
No irritant effect.
No proper data, but analogically, the product is not considered as irritating for the eyes.

CHRONIC TOXICITY OR LONG-TERM TOXICITY

Notes for Doctors
To our knowledge no adverse effects have been reported in man under normal conditions of use.

12. ECOLOGICAL INFORMATION

BASIS FOR ASSESSMENT:
Information given is based on a knowledge of the constituents and the ecotoxicology of similar substances.

Comments about ecotoxicity
No negative effects on the aquatic environment are known.

Persistence and degradability
Rapid biodegradability.

13. DISPOSAL CONSIDERATIONS

Waste disposal
Eliminate in conformity with local and national regulations.

Disposal of contaminated packaging
Recommended cleaning product: alkaline solution.

14. TRANSPORT INFORMATION

UN Number N/R
ROAD (ADR) / RAIL (RID) Class Not dangerous according to ADR
TRANSPORT BY BARGE (ADNR) MARINE (IMO-IMDG) Class N/R
AIR (ICAO/IATA) Class N/R

15. REGULATORY INFORMATION

Not classified as dangerous under EC Directive 99/45/EC

Risk phrases None
Safety phrases None
French regulation None

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS ON USE
This product must not be used in applications other than the above without first seeking the advice of the Vogel France SAS technical department.

Revision date: 18-02-2008
This safety data sheet completes the technical directions for use but do not replace them.