



Date: 18-02-2008

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



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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.



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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.



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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	

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.**