



SAFETY DATA SHEET

ISSUER:
Hans Jönsson

PRINT DATE 111125
Version: 1

Lubetec Red Guard

1. Identification of the substance/preparation and the company/undertaking

Identification of the article	Lubetec Red Guard
Supplier	Cargo Oil AB, Brodalsvägen 5, SE-433 38 Partille SWEDEN
Telephone	+46 31 443311
Telefax	+46 31 443310
Emergency telephone number	+46 31 443311 or 112
Webpage	www.cargo-oil.se
Recommended use	Lubricating grease. Please refer to Ch.16 for registered uses.

2. Hazards identification

2.1 Classification of substance or mixture

Regulation (EC) No 1272/2008 (CLP)

Hazard classes / Hazard categories

Not classified

Hazard Statement

67/548/EEC or 1999/45/EC

Hazard classes / Hazard categories

Not classified as dangerous under EC criteria

Hazard Statement

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Symbol(s): No symbol

Signal words: No signal word

CLP Hazard statements:

PHYSICAL HAZARDS:

Not classified as a physical hazard under GHS criteria

HEALTH HAZARDS:

Not classified as a health hazard under GHS criteria

ENVIRONMENTAL HAZARDS:

Not classified as an environmental hazard under GHS criteria

CLP Precautionary statements:

Prevention:

No precautionary phrases

Response:

No precautionary phrases

ENVIRONMENTAL HAZARDS:

No precautionary phrases

2.3 Other Hazards

Not classified as flammable but will burn.

Prolonged or repeated skin contact without proper cleaning may clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

Used product may contain harmful impurities.



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3. Composition/Information of ingredients

3.1 Substance

Material name
CAS No

Not applicable
Not applicable

3.2 Mixtures

Preparation Description: A lubricating grease containing highly-refined mineral oils and additives.

Classification of components according to GHS

Chemical Identity	(CAS)/EINECS	Hazard Class (category)	GHS Hazard Statements	Conc. % by mass

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Classification of components according 67/548/EEC

Chemical Identity	CAS EINECS	Symbol(s)	R-phrases(s)	Conc. % by mass

Additional information

The highly refined mineral oils contain <3% DMSO extracts, according to test method IP 346

4. First aid measures

4.1 Description of First Aid Measures

General information	Not expected to be a health hazard when used under normal conditions
Inhalation	No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
Skin contact	Remove contaminated clothes. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
Eye contact	Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
Ingestion	Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Give nothing by mouth.

4.2 Most important symptoms/effects, acute and delayed

Oil acne/folliculitis signs and symptoms may include formation of clack pustules and spots on the skin of exposure areas

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically



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5. Fire-fighting measures

Clear fire area of all non-emergency personnel.

5.1 Extinguishing Media	Carbon dioxide (CO ₂) Dry powder Foam Water spray (mist) or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Extinguishing media which must not be used for safety reasons	Do not use water in a jet.
5.2 Special hazards arising from substance or mixture	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particles and gases (smoke). Carbon monoxide and carbon dioxide. Unidentified organic and inorganic compounds.
5.3 Advice for fire-fighters	Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space

6. Accidental release measures

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment, see Chapter 8 of this MSDS. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes.
6.2 Environmental precautions	Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers.
6.3 Methods for containment and clean up	Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim directly or in an absorbent. Soak up residue with an absorbent as clay, sand or other suitable material and dispose of properly.
Additional advice	Local authorities should be advised if significant spillages cannot be contained.



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7. Handling and storage

General precautions	Use local exhaust ventilation if there is a risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
7.1 Precautions for safe handling	Avoid prolonged or repeated contact with skin. Avoid inhaling vapours and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a cool, well-ventilated area. Use properly labelled and closable containers. Storage temperature 5 – 50 °C Store separately from oxidising agents. The storage of the product may be subjected to specific regulations. Further guidance may be obtained from the local environmental agency office.
7.3 Specific end uses	Not applicable
Recommended materials	For containers or container linings, use mild steel or high density polyethylene.
Unsuitable materials	PVC
Additional information	Polyethylene containers should not be exposed to high temperatures because of possible distortion. Exposure to this product should be reduced as low as reasonably practicable. Reference should be made to the Health and Safety Executive's publication "COSHH Essentials".

8. Exposure controls / Personal protection

8.1 Control parameters	
Occupational Exposure Limits	Not established
Biological Exposure Index (BEI)	Data not available
8.2 Exposure Controls	
General Information	The level of protection and types of controls necessary will vary depending upon exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include; adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mists formed, there is greater potential for airborne concentrations to be generated.
Occupational Exposure Controls	
Personal protective equipment	Personal protective equipment should meet recommended national standards. Check with suppliers of PPE
Hand protection	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. EN374) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves.



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Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of non-perfumed moisturizer is recommended.

Eye protection

Wear safety glasses or full face shield if splashes are likely to occur. Approved to EU Standard EN166

Body protection

Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory protection

No respiratory protection is ordinarily required under normal conditions of use. In accordance with industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours (boiling point >65 °C) meeting EN14387.

Thermal hazards

Not applicable

Monitoring methods

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Environmental Exposure Controls Environmental exposure control measures

Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

9. Physical and chemical properties

Appearance	Thick viscous semi-solid
Colour	Red
Density	ca 930-980 kg/m ³ @ 15 °C
Flash Point (base oil)	>150 °C
Solubility	Soluble in organic solvents. Negligible solubility in water.

10. Stability and reactivity

10.1 Reactivity	The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	Reacts with strong oxidising agents
10.4 Conditions to avoid	Extremes of temperature and direct sunlight



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10.5 Incompatible materials	Strong oxidising agents
10.6 Hazardous decomposition products	Hazardous decomposition products are not expected to form during normal storage.

11. Toxicological information

11.1 Information on Toxicological effects

Basis for assessment	Information given is based on data of the components and the toxicology of similar products
Likely routes of exposure	Skin and eye contact are the primary routes of exposure, although exposure may occur following accidental ingestion.
Acute Oral toxicity	Low toxicity: LD50 > 5000 mg/kg, Rat
Acute Dermal toxicity	Low toxicity: LD50 > 5000 mg/kg, Rabbit
Acute Inhalation toxicity	Low toxicity: LC50 > 5 mg/l, 4 h, Rat
Skin corrosion/irritation	Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.
Serious Eye damage/irritation	Expected to be slightly irritating
Respiratory irritation	Inhalation of vapours or mists may cause irritation to the respiratory system.
Respiratory or skin sensitisation	Not expected to be a skin sensitizer
Aspiration hazard	Not considered an aspiration hazard
Germ cell mutagenicity	Not considered a mutagenic hazard
Carcinogenicity	Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Not expected to be a hazard
Reproductive and developmental toxicity	
Specific target organ toxicity – single exposure	Not expected to be a hazard
Specific organ toxicity – repeated exposure	Not expected to be a hazard
Additional information	Used oils may contain harmful impurities that have accumulated during use. the concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oils and oil products should be handled with caution and skin contact avoided as far as possible.



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12. Ecological information

Basis for assessment	Incomplete ecotoxicological data are available for this product. The information given below is based partly on a knowledge of components and the ecotoxicological of similar products.
12.1 Toxicity	
Acute toxicity	Poorly soluble mixture. May cause physical fouling of aquatic organisms. (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract).
Fish	Practically non-toxic: LL/EL/IL50 >100 mg/l
Aquatic invertebrates	Practically non-toxic: LL/EL/IL50 >100 mg/l
Algae	Practically non-toxic: LL/EL/IL50 >100 mg/l
Microorganisms	Practically non-toxic: LL/EL/IL50 >100 mg/l
Chronic toxicity	
Fish	NOEC/NOEL > 100 mg/l (based on test data)
Aquatic invertebrates	NOEC/NOEL > 1- <=10 mg/l (based on test data)
12.2 Persistence and degradability	Major constituents are expected to be readily biodegradable, but the product contains components that may persist in the environment.
12.3 Bioaccumulative potential	Contains components with the potential to bioaccumulate.
12.4 Mobility	Semi-solid under most environmental conditions. Floats on water. If it enters soil, soil particles be absorbed and the product will not be mobile.
12.5 Result of the PBT and vPvB assessment	The product does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.
12.6 Other adverse effects	Product is a mixture of non-volatile components, which are not expected to be released to the air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. Disposal considerations

13.1 Waste treatment methods	
Material disposal	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. do not dispose into the environment, in drains or in water courses.
Container disposal	Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
Local legislation	Disposal should be in accordance with applicable regional, national, local laws and regulations. EU waste disposal code(EWC): 130899 oil waste not otherwise specified. Classification of waste is always the responsibility of the end user.



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14. Transport information

Land transport (ADR/RID)

ADR This material is not classified as dangerous under ADR regulations

RID This material is not classified as dangerous under RID regulations

**Inland waterways
transport (ADN)** This material is not classified as dangerous under ADN regulations

**Sea transport (IMDG
Code)** This material is not classified as dangerous under IMDG regulations

Air transport (IATA) This material is not classified as dangerous under IATA regulations

15. Regulatory information

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulatory information

**Authorisation and/or
restrictions in use** No restrictions for use are applicable.

Chemical inventory status

EINECS All products listed or polymer exempt.

TSCA All components listed.

**15.2 Chemical
Safety assessment** A chemical safety assessment was performed for this product

16. Other information

Identified uses according to the Use Descriptor System

Uses – Worker

Title -Industrial
Manufacture of product
Distribution of product
(Re)packing of product
Lubricants

Uses - Worker

Title -Professional
Lubricants

Uses - Consumer



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Title -Consumer
Lubricants

Additional information This product is not classified for human health or environmental hazards. An exposure scenario is not required

MSDS distribution The information in this document should be available to all who may handle the product.

MSDS Version number 1

MSDS effective date 2011-11-25

R-phrase(s)

GHS Hazard Statements