



PRODUCT NAME: LUBETEC RED GUARD

MATERIAL SAFETY DATASHEET

Date issued: 20/08/2003
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Version: 4

EU Directive 1907/2006/EC (REACH)

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND THE COMPANY

1.1 Identification of the substance or preparation:

Commercial name: LUBETEC RED GUARD #00, #1, #2

1.2 Use of the substance or preparation:

Industrial lubricating grease

1.3 Company identification:

BONDIS bvba
Italiëlei 215
2000 Antwerpen
België

Telephone: +32 (0)3 234 29 18

Fax: +32 (0)3 233 13 10

Email: info@bondis.com

1.4 Emergency telephone:

Telephone: +32 70 245 245

2. HAZARDS IDENTIFICATION

Classification:

Not classified as hazardous

R-Phrases:

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Description:

Mixture of mineral oils, thickener and additives.

| Components | EINECS n° | CAS n° | Weight % | Classification |
|-----------------------------|-----------|------------|----------|---------------------|
| Zinc dialkyldithiophosphate | 272-028-3 | 68649-42-3 | <2 | Xi;R38,R41,N;R51/53 |



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4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes, terminate the exposure and go in the fresh air.

Ingestion:

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.

Skin contact:

Remove contaminated clothing and wash thoroughly the skin with soap or detergent and water.

Eye contact:

Flush eyes thoroughly with running water during 15 minutes (including under eyelids), seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Sprayed water, foam, powder, carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons:

None

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Combustion can produce a variety of compounds including: oxides of carbon, oxides of nitrogen, partially oxidized organic compounds and other unidentified organic and inorganic compounds; some of these compounds may be toxic.

Special protective equipment for fire-fighters:

Wear an approved autonomous breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protection equipment. Avoid contact with the skin or eyes. Remove contaminated clothing.

Environmental precautions:

Prevent this product from entering into contact with surface waters.

Methods for cleaning up:

To clean the floor and all objects contaminated by this material, use sand, active clay or Bondis Sorb. Clean contaminated surface thoroughly as fluid can make surfaces slippery.



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7. HANDLING AND STORAGE

7.1 Handling

Keep away from heat, sparks or open flames. Avoid leaks and contact with eyes and skin. Ventilate well and avoid inhalation of fumes.

7.2 Storage

Store in tightly closed packaging away from source of heat or ignition. Provide sufficient ventilation and put control systems in place to avoid possible discharge

7.3 Specific use(s)

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Exposure limit values

Sufficient ventilation should be provided in order to maintain fumes concentration in the air below the occupational exposure limit.

8.2 Exposure controls

8.2.1 Occupational exposure controls

8.2.1.1 Respiratory protection:

Not applicable.

8.2.1.2 Hand protection:

Wear rubber gloves.

8.2.1.3 Eye protection:

Wear safety glasses if eye contact is possible..

8.2.1.4 Skin protection:

Overall, or similar full-body work clothes, gloves and shoes..

8.2.2 Environmental exposure controls

Suitable system design or appropriate controls should be in place to ensure that the product cannot discharge to drain unless it is suitably treated to conform with local regulatory discharge standards.



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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance: Red sparkling grease
Odour: Odourless

9.2 Important health, safety and environmental information

pH: Not applicable
Boiling point / boiling range: Not applicable
Flash point: >200°C
Flammability (solid, gas): Not applicable
Explosive properties: Not applicable

Oxidizing properties: Not applicable
Vapour pressure: Not applicable
Relative density (water=1): 0,88 - 0,90
Solubility in water: Insoluble in water
Partition coefficient (n-octanol/water): Not applicable
Viscosity: Not applicable
Vapour density: Not applicable
Evaporation rate (butyl acetate=1): Not applicable

9.3 Other information

Auto-ignition temperature: >200 °C

10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid:** None
- 10.2 Materials to avoid:** Avoid contact with oxidizing agents, alkalis and acids.
- 10.3 Hazardous decomposition products:** Incomplete burning can cause formation of dangerous gases like carbon oxide (CO), carbon dioxide (CO₂) and other hydrocarbons which can be toxic.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Low order of acute toxicity.

CHRONIC TOXICITY

Contains no known carcinogenic, mutagenic or teratogenic products.



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12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

| | |
|--|---------|
| Aquatic organisms, Alga IC50 (72h): | Unknown |
| Aquatic organisms, Daphnia Magna EC50 (48h): | Unknown |
| Aquatic organisms, Fish LC50 (96h): | Unknown |
| Plants and terrestrial animals: | Unknown |
| Soil organisms: | Unknown |
| Impact on sewage treatment plants: | Unknown |

12.2 Mobility:

| | |
|--|--|
| Known or predicted distribution to environmental compartments: | Low range of mobility in the soil. Some components can penetrate the soil and cause pollution of the ground water. |
| Surface tension: | Not applicable |
| Absorption/ adsorption: | Not applicable |

12.3 Persistence and degradability:

Not easily biodegradable.

12.4 Bioaccumulative potential:

Base oil components are probably not dangerous for water organisms. Some additives may be dangerous for the aquatic environment.

12.5 Other adverse effects:

| | |
|---|----------------|
| Ozone depletion potential (ODP): | Not applicable |
| Photochemical ozone creation potential: | Not applicable |
| Global warming potential: | Not applicable |

13. DISPOSAL CONSIDERATIONS

Wastes, including emptied containers, should be disposed off in accordance with national and local regulations. It is the end-user's responsibility to determine the regulatory status of waste at the time of disposal.



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14. TRANSPORT INFORMATION

UN - nr: PRODUCT IS NOT CLASSIFIED

Proper shipping name:

IMDG

Class:

Other applicable information:

Marine pollutant:

ADR/RID

Class:

Other applicable information:

ICAO/IATA

Class:

Other applicable information:

15. REGULATORY INFORMATION

Danger symbols:

Not applicable

Risk phrases: Not applicable

Safety phrases: Not applicable

Other regulatory information:

Existing national and local regulations concerning chemicals shall be observed.



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16. OTHER INFORMATION

Training advice:

Contact your representative before using this product in case you are not familiar with its application.

Recommended restrictions on use (non-regulatory recommendations of the supplier):

Further information (written references and/or technical contact point):

FULL TEXT OF RISK PHRASES APPEARING IN SECTION 3

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Source of key data used to compile the datasheet::

Information added, delete or revised:

These data are based upon our knowledge at this moment. It is however no guarantee for product properties and do not have a contractual agreement.

This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 453/2010. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the use must carry out a material suitability and safety study himself.