

Material Safety Data Sheet

According to 91/155 EC

Printing date: 29.01.2003

Reviewed on: 29.01.2003

1 Identification of substance:

Product details:

- **Trade name:** Lubrification gel
- **Application of the substance / the preparation** Lubricant

Supplier/Manufacturer:

Raidex GmbH
Neuhäuser Str. 17
D-72581 Dettingen/Erms
Tel.: +49-7123-9751-0

Fax: +49-7123-9751-33

- **Information department:** see above

- **Emergency information:** National Poisons Information Centre Tel.: +44-171-9555095370

2 Composition/Data on components:

Chemical characterization

- **Description:** Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64-17-5 ethanol

2.5-10%

EINECS: 200-578-6 F; R 11

- **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** not applicable

Information pertaining to particular dangers for man and environment:

No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.

Classification system:

The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature.

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Inhalation of product is unlikely.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water.
If symptoms persist consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.
Never give anything by mouth to a unconscious person.
If symptoms occur or after swallowing of larger quantities consult a doctor.

5 Fire fighting measures

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

Special hazards caused by the material, its products of combustion or resulting gases:

Dangerous decomposition product see chapter 10: stability and reactivity

- **Protective equipment:** Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store container tightly sealed at a cool and dry place with sufficient ventilation.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Storage class** 10 Flammable liquids

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
64-17-5 ethanol
OES Long-term value: 1920 mg/m³, 1000 ppm
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid close or long term contact with the skin.
Use skin protection cream for skin protection.
- **Breathing equipment:** Not required.
- **Protection of hands:**
At longer contact: protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Check protective gloves prior to each use for their proper condition.
Prior to contact with the watersoluble substance / product / preparation apply waterinsoluble skin-protecting agent (fat-containing film former or W/O-emulsions).
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves:**
The selection of suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Not required.

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- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form: Viscous
Colour: Colourless
Odour: Like alcohol

· Change in condition:

Melting point/Melting range: undetermined
Boiling point/Boiling range: undetermined

· **Flash point:** not applicable

· **Self igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· **Solubility in / Miscibility with Water:**

Miscible

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of decomposition:**
In the case of fire or at high temperatures the formation of the following decomposition products is possible.
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.

12 Ecological information

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Danger to drinking water is possible if large quantities leak into the ground or into water course.

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Disposal according to instructions of local authorities.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** -
No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
No hazardous good according to the regulation.

15 Regulations

- **Markings according to EC guidelines:** Observe the general safety regulations when handling chemicals
- **National regulations**
- **Technical guidance (air):**
- **Class Share in %**
- **Wasser 87.2**
III 9.6
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases:**
11 Highly flammable.
- **Department issuing MSDS:**
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Postfach 1451 D-64345 Griesheim
Tel.: +49-6155-823241 Fax: +49-6155-823246
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