SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: DP-LUBRICANT RED
Cat. No. 40700070, 40700071, 40700072

Container size: 1 L; 5 L; 10 L

Relevant identified uses of the substance or mixture and uses advised against

Application: Cooling and lubricating agent for grinding and polishing of materialographic specimens.

Details of the supplier of the safety data sheet

Supplier: Struers Australia
27 Mayneview Street
Milton QLD 4064, Australia

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI

Any questions to the contents of this safety data sheet should be sent to: struers@struers.dk

Emergency telephone number

+61 7 3512 9600
(Only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

WHS: The product is not classified.

Label elements

The substance/mixture does not meet the criteria for classification of the Model Work Health and Safety Regulations and the SDS contains all the information required by the WHS Regulations.

Other hazards

PBT/vPvB: No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

The product contains: lubricants and water.
SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

Inhalation: Move into fresh air and keep at rest.

Skin contact: Rinse with water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions.

**Most important symptoms and effects, both acute and delayed**

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

**Indication of any immediate medical attention and special treatment needed**

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

**Extinguishing media**

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No specific precautions.

**Special hazards arising from the substance or mixture**

Specific hazards: No specific precautions.

**Advice for firefighters**

Protective equipment for firefighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- **Protective equipment:** Avoid contact with skin and eyes. For personal protection, see section 8.
- **Emergency procedures:** No specific recommendations. For personal protection, see section 8.

**Environmental precautions**

- **Environmental precautions:** Avoid discharge into water courses or onto the ground.

**Methods and material for containment and cleaning up**

- **Spill Cleanup Methods:** Dam and absorb spillage with sand, sawdust or other absorbent.

**Reference to other sections**

- **References:** For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

- **Safe handling advice:** Avoid contact with skin and eyes. Observe good chemical hygiene practices.
- **Technical measures:** Work practice should minimise contact.
- **Technical precautions:** Local exhaust is recommended.

**Conditions for safe storage, including any incompatibilities**

- **Technical measures for safe storage:** No special precautions.
- **Storage conditions:** Store in tightly closed original container. Store at room temperature.

**Specific end use(s)**

- **Specific use(s):** No information available.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit assigned.

Exposure controls

Engineering measures: Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to relevant AS/NZS standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: Under normal conditions of use respiration protection should not be required.

Hand protection: Risk of contact: Wear protective gloves. Nitrile gloves are recommended.

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: No special precautions.

Environmental Exposure Controls: Not available.
**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

- **Form:** Liquid.
- **Colour:** Pink.
- **Odour:** Mild soap-like
- **Odour threshold:** Not available.
- **pH:** approx. 7.2
- **Melting point:** approx. 0°C / 32°F
- **Boiling point:** approx. 100°C / 212°F
- **Flash point:** Not available.
- **Evaporation rate:** Not available.
- **Flammability (solid, gas):** Not available.
- **Explosion limits:** Not available.
- **Vapour pressure:** Not available.
- **Vapour density:** Not available.
- **Relative density:** 1.0
- **Solubility:** Soluble in water.
- **Partition coefficient (n-octanol/water):** Not available.
- **Auto-ignition temperature (°C):** Not available.
- **Decomposition temperature (°C):** Not available.
- **Viscosity:** Not available.
- **Explosive properties:** Not available.
- **Oxidising properties:** Not available.

**Other information**

- **Other data:** Volatile Organic Compound (VOC): 0 g/l (calculated)
SECTION 10: STABILITY AND REACTIVITY

Reactivity
Reactivity: No data available.

Chemical stability
Stability: Stable under normal temperature conditions.

Possibility of hazardous reactions
Hazardous Reactions: No data available.

Conditions to avoid
Conditions/materials to avoid: None specific.

Incompatible materials
Incompatible materials: No information available.

Hazardous decomposition products
Hazardous decomposition products: None in particular.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute Toxicity (Oral): Based on available data, the classification criteria are not met.
Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.
Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
National Toxicology Program (NTP): No.
I.A.R.C. Monographs: No.
Reproductive Toxicity: Based on available data, the classification criteria are not met.
STOT - Single exposure: Based on available data, the classification criteria are not met.
STOT - Repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
Inhalation: Not relevant at normal room temperatures. When heated, irritating vapours may be formed.
Skin contact: Prolonged contact may cause redness and irritation.
Eye contact: Splashes may irritate.
Ingestion: No harmful effects expected in amounts likely to be ingested by accident.
Specific effects: None known.
SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: Not classified as dangerous to the environment.

Persistence and degradability

Degradability: The product is 80% biodegradable.

Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

Mobility in soil

Mobility: No data available.

Results of PBT and vPvB assessment

PBT/vPvB: No information available.

Other adverse effects

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADG).

UN number

UN-No: -

UN proper shipping name

Proper Shipping Name: -

Transport hazard class(es)

Class: -

Packing group

PG: -

Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

Special precautions for user

Special precautions: None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: Not relevant.
SECTION 15: REGULATORY INFORMATION

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

Special provisions:
AICS: Listed.

National regulation:
Work Health and Safety Regulations 2011, with amendments.
National model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2011), with amendments.
The Industrial Chemicals (Notification and Assessment) Act 1989, as amended.

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements:
The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Additional information:
Classification according to WHS Regulations 2011:
Calculation method.

Wording of H-statements:
H411 Toxic to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.