1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: DP-LUBRICANT RED
Application: For materialographic polishing
Supplier: Struers A/S
Valhøjs Allé 176
DK-2610 Rødovre
Tel: +45 3670 3500

2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: lubricants and water.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.:</th>
<th>%:</th>
<th>Hazard classification:</th>
<th>Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant</td>
<td></td>
<td>1-10</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Red dye (C. I. Acid Red 211)</td>
<td></td>
<td>&lt; 0,1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>90-99</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Man: The hazardous properties of the product are considered to be limited.

Environment: The product is not expected to be hazardous to the environment.

4. FIRST-AID MEASURES

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for up to 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 uncomfortable: Seek hospital and bring along these instructions.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Specific hazards: No specific precautions.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes.

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

Methods for cleaning up: Dam and absorb spillage with sand, sawdust or other absorbent. For waste disposal, see point 13.

7. HANDLING AND STORAGE

Safe handling advice: Avoid contact with skin and eyes. Observe good industrial hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: Local exhaust is recommended.

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Engineering measures: Mechanical ventilation may be required.

Respiratory equipment: No special precautions.

Hand protection: Risk of contact: Wear protective gloves. Consult the glove supplier to find the most suitable gloves.

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

Skin protection: Wear face shield if there is risk of splashes.
9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** red liquid
- **Odour:** odourless
- **pH:** 9.0-9.5
- **Melting point:** 0°C
- **Boiling point:** 102 °C
- **Flash point:** not available
- **Explosive properties:** not available
- **Vapour pressure:** 17 mmHg
- **Relative density:** 1.0
- **Solubility:** soluble in water

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal temperature conditions.
- **Conditions/materials to avoid:** None specific.
- **Hazardous decomposition products:** None in particular.

11. TOXICOLOGICAL INFORMATION

- **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:** Risk of longterm effects is expected to be minimal from occupational exposure.
  - **Carcinogenicity:**
    - National Toxicology Program (NTP): No.
    - I.A.R.C. Monographs: No.
    - OSHA: No.
**ECOLOGICAL INFORMATION**

- **Mobility:** The product is water soluble and may spread in water systems.
- **Degradability:** The product is 80% biodegradable.
- **Ecotoxicity:** The product is not expected to be hazardous to the environment.

**DISPOSAL CONSIDERATIONS**

Dispose of waste and residues according to agreement with local authorities.

- **Waste from residues:** EWC-code: 20 01 16
- **Contaminated packaging:** Dispose of contaminated packings as residue.

**TRANSPORT INFORMATION**

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

**REGULATORY INFORMATION**

- **Labelling:** Based on information from the manufacturer regarding the chemical composition of the product, an assessment by the Danish Toxicology Centre has shown that according to EEC Directives 67/548/EEC and 88/379/EEC, the product is not liable to classification and labelling.
  - **NFPA Rating:** -

- **Specific provisions:** TSCA: Listed.

- **National regulation:** Europe/USA:
  - This Safety Data Sheet has been prepared according to the EU-regulation.
16. OTHER INFORMATION

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

Released: 8 December 1994
Approved by DTC.

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.

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