

DOW CORNING(R) 55 O-RING LUBRICANT

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

| | | | | |
|-------------------------------|---|---|---------------------|--|
| Trade name | : | DOW CORNING(R) 55 O-RING LUBRICANT | | |
| Company | : | Dow Corning S.A. Parc Industriel - Zone C B-7180 Seneffe Belgium | | |
| Service | : | Dow Corning Central Europe | Tel: +49 6112371 | |
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| | | | Fax: +44 1676528001 | |
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| | | | Fax: +33 472841379 | |
| Emergency Phone Number | : | Dow Corning (Barry U.K. 24h) | Tel: +44 1446732350 | |
| | | Dow Corning (Wiesbaden 24h) | Tel: +49 61122158 | |
| | | Dow Corning (Seneffe 24h) | Tel: +32 64 888240 | |

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Silicone grease.

Hazardous Ingredients:

| Name | CAS-No. | EINECS/ ELINCS No. | Conc. (% w/w) | Classification |
|--------------------------|---------|-----------------------|---------------|--------------------|
| N-Phenyl-1-Naphthylamine | 90-30-2 | 201-983-0 | 0.4 | N R43 R50/53 |

3. HAZARDS IDENTIFICATION

The principal hazards of the product as supplied are:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

| | | |
|-----------------------------|---|--------------------------------|
| On contact with eyes | : | No first aid should be needed. |
| On skin contact | : | Flush with water. Wipe off. |
| If inhaled | : | No first aid should be needed. |
| On ingestion | : | No first aid should be needed. |

5. FIRE FIGHTING MEASURES

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| | | |
|--|---|--|
| Suitable extinguishing media | : | Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers. |
| Unsuitable extinguishing media | : | None known. |
| Hazards during fire fighting | : | None known. |
| Special protective equipment/procedures | : | A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan. |
| Hazardous Combustion Products | : | Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Metal products. Nitrogen products. |

6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions | : | Wear proper protective equipment. |
| Precautions to protect the environment | : | Do not allow large quantities to enter drains or surface waters. |
| Methods for cleaning up | : | Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface. |

7. HANDLING AND STORAGE

| | | |
|---------------------------------------|---|--|
| Advice on safe handling | : | General ventilation is recommended. Avoid skin and eye contact. |
| Advice on storage | : | Do not store with oxidizing agents. Keep container closed and store away from water or moisture. |
| Specific uses | : | Refer to technical data sheet available on request. |
| Unsuitable packaging materials | : | None known. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Ventilation : Refer to Section 7

Exposure controls for hazardous components

| Name | CAS-No. | Exposure Limits |
|------|---------|-----------------|
|------|---------|-----------------|

None of the components have assigned exposure limits.

Personal protection equipment

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| | | |
|--|---|--|
| Respiratory protection | : | Respiratory protection is not normally required. |
| Hand protection | : | Chemical protective gloves or gauntlets should be worn and removed correctly to avoid skin contamination: Silver shield(TM). 4H(TM). Regarding glove's breakthrough time....contact your chemical protective glove supplier. |
| Eye protection | : | Safety glasses should be worn. |
| Skin protection | : | Wear impervious overalls in circumstances where significant skin contact can occur. |
| Hygiene measures | : | Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately. |
| Environmental exposure controls | : | Refer to section 6 and 12. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Grease **Colour:** Pink **Odour:** Slight

Other data

Flash point : > 101.1 °C (Closed Cup)

Explosive properties : No

Specific Gravity : 1.1

Oxidizing properties : No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

Stability : Stable under normal usage conditions.

Conditions to avoid : None established.

Materials to avoid : Can react with strong oxidising agents.

Hazardous decomposition products : See section 11.

11. TOXICOLOGICAL INFORMATION

On contact with eyes : May cause temporary discomfort.

On skin contact : May produce an allergic reaction.

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| | | |
|--|---|---|
| If inhaled | : | No adverse effects are normally expected. |
| On ingestion | : | No adverse effects are normally expected. |
| Other Health Hazard Information | : | Product may emit formaldehyde vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1 ppm). |

¹ Based on product test data.

² Based on test data from similar products.

³ This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

12. ECOLOGICAL INFORMATION**Environmental fate and distribution**

Solid material, insoluble in water.

Ecotoxicity effects

Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. However, due to the physical form and water-insolubility of the product the bioavailability is negligible.

Fate and effects in waste water treatment plants

No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

Product disposal : Dispose of in accordance with local regulations.

Packaging disposal : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION**Road / Rail (ADR/RID)**

Not subject to ADR/RID.

Sea transport (IMDG)

Not subject to IMDG code.

Air transport (IATA)

Not subject to IATA regulations.

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15. REGULATORY INFORMATION

Labelling according to EEC Directive

- R-phrases** : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S-phrases** : S24 Avoid contact with skin.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
- Other phrases** : Contains N-Phenyl-1-Naphthylamine and Dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.

National legislation / regulations

- Ozone depleting chemicals** : No ozone depleting chemicals are present or used in manufacture.

Status

- EINECS** : All ingredients listed or exempt.
- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION

This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Dow Corning product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Dow Corning Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Dow Corning shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Dow Corning supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Dow Corning supplier.

R43 May cause sensitization by skin contact., **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.