

DURAVAC

SILICONE HV GREASE SAFETY DATA SHEET

1.0 PRODUCT AND IDENTIFICATION OF SUBSTANCE

- 1.1 Product name: Silicone HV grease (also called MP grease)
- 1.2 Relevant uses for this product: Vacuum industry sealant.
- 1.3 Supplier of safety data sheet: Duravac, Unit 170, John Wilson Business Park, Whitstable, Kent, CT5 3RA
- 1.4 Emergency contact information: Tel (44) 1227 770828 (office hours)
[Email: sales@duravac.co.uk](mailto:sales@duravac.co.uk)

2.0 HAZARDS IDENTIFICATION

- 2.1 Hazards identification / classification: Not considered harmful to human health.
Do not swallow. Not classed as harmful to aquatic life.
- 2.2 Label elements: Not classified.
- 2.3 Other hazards: Not classified.

3.0 COMPOSITION OF INGREDIENTS.

- 3.1 Phenyl-methyl silicone oil.

4.0 FIRST AID MEASURES

- 4.1 General advice: No specific recommendations. Inhalation – move person to fresh air if vapours or decomposition products are inhaled. If symptoms persist seek medical advice. Skin contact – wash off with soap and water. Eye contact – rinse with copious amounts of water. Consult doctor if there is any persistent irritation. Ingestion – rinse mouth. Do not induce vomiting without consulting a doctor first.

5.0 FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing media. Foam. Dry powder, dry chemical.
- 5.2 Special hazards - Combustion or thermal decomposition may liberate carbon oxides or toxic vapours.
- 5.3 Advice for firefighters – breathing apparatus is advise. Hot containers should be cooled.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions. - use personal protective equipment and clothing.
- 6.2 Environmental precautions. Do not wash or discharge product into the drainage system. Protect drainage system from spills. Use a suitable barrier to prevent contamination.
- 6.3 Methods for cleaning up. Use an absorbent material and dispose of according to local or state regulations.
- 6.4 Reference to other sections. See section 8 for personal protection.

7.0 HANDLING AND STORAGE

- 7.1 Precautions and safe handling advice – Try to store below 40°C. Avoid contact with contact with skin and eyes. Change contaminated clothing.
- 7.2 Technical measures and storage conditions. Keep container closed and away from potential heat sources. Do not store with flammable products or strong oxidising agents. Packing material – glass, metal or polythene container.
- 7.3 Specific end uses. High vacuum industry

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters – no exposure limits are known.

8.2 Exposure controls. If oil mist is present, use suitable ventilation. Impervious hand gloves should be used for extended exposure. Wash hands before eating and after handling.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Properties.

Form: liquid of medium viscosity.

Colour: Water white.

Odour: None

pH: Neutral.

Flashpoint: 300°C

Auto ignition temp: > 400°C

Explosive properties: Under aerolisation or thermal load.

Density: -

Solubility – water. Not soluble

9.2 Critical temperature: Not known.

10.0 STABILITY AND REACTIVITY

10.1 Reactivity – none associated with this product.

10.2 Stability – stable under normal conditions.

10.3 Possibility of hazardous reactions – none.

10.4 Conditions to avoid. Combustion may produce carbon dioxide and carbon monoxide.

10.5 Materials to avoid – strong oxidising materials.

10.6 Hazardous decomposition products. May produce carbon oxides.

11.0 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity – oral

11.2 Acute toxicity – oral (LdSG mg/kg): 15,400 rat.

12.0 ECOLOGICAL INFORMATION

12.1 Toxicity – not classed as toxic to fish.

12.2 Persistence and degradability – This product is persistent. Not soluble in water.

12.3 Bioaccumulative potential – not known

12.4 Mobility in soil – will sediment in water systems.

12.5 Results of PBT and VpVB assessment – none contained in this product.

12.6 Other adverse effects – none known.

13.0 DISPOSAL CONSIDERATIONS

13.1 Waste from residues or unused product – Consult local regulations. Most states prefer controlled incineration, and forbid discharge into drainage systems.

Contaminated packaging should be disposed of responsibly according to local regulations.

14.0 TRANSPORT INFORMATION

14.1 This product is classed as non hazardous in respect to air, sea or land.

14.2 UN shipping name – none.

14.3 Transport hazard class – none.

14.4 Packing group, not applicable.

14.5 Environmental hazards, not classed as a marine pollutant.

14.6 Special precautions for the user – none.

14.7 Bulk transport considerations – not applicable.

15.0 REGULATORY INFORMATION

15.1 Not classed as hazardous to supply. REACH exempt, contains nothing of concern

within current REACH listings.

15.2 Chemical safety assessment. None taken

16.0 OTHER INFORMATION

All information is given in good faith. The end user is advised to carry out final use suitability and safety tests before usage, since end use may vary. Rev 1.0 – 22 SEPT 2016.

