# MATERIAL SAFETY DATA SHEET

## 1 IDENTIFICATION OF SUBSTANCE/PREPARATION/COMPANY

| Identification of Substance/Preparation: | Silicone Oil 350 |
| Application:                           | Lubricant, release agent |
| Company:                               | Calder Oils Ltd.  
Netherfield Road  
Ravensthorpe  
Dewsbury  
West Yorkshire  
WF13 3JX  
Tel: 01924 461058  
Fax: 01924 459773  
Email: sales@calder-oils.co.uk |

## 2 HAZARDS IDENTIFICATION

| Classification of substance or mixture: | Not a hazardous substance according to Regulation (EC) No. 1272/2008 |
| Hazardous Components:                  | None. |

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

| Substances:                           | Consists of polydimethylsilicone – (-Si(CH3)20-)n |

## 4 FIRST AID MEASURES

| Eyes:                                 | Wash out thoroughly with water for 15 minutes. If irritation persists, seek medical advice. |
| Skin:                                 | Wash with soap and water and change contaminated clothing as soon as possible. |
| Ingestion:                            | Harmless if swallowed in small amounts. Larger quantities may cause nausea and vomiting. Do not induce vomiting because of danger of aspiration. Seek medical advice if larger amounts are swallowed. Effects can be delayed for up to 48 hours. |
| Inhalation:                           | Usually this only occurs at elevated temperatures. Inhalation of fumes may cause irritation to nose and throat and may cause coughing. Remove to fresh air and seek medical advice if irritation persists. In extreme cases, dizziness, nausea and headaches may be caused. |
Aspiration: Unlikely, due to its higher viscosity, but if it does occur seek medical advice urgently.

5  FIRE FIGHTING MEASURES

Extinguish with foam, dry powder, sand or earth. For small fires, use CO₂. Do not use water, but water may be used to cool the surrounding area. In confined spaces, trained personnel equipped with breathing apparatus should be employed.

6  ACCIDENTAL RELEASE MEASURES

May cause slippery surfaces. Contain spillage – prevent from entering drains. Absorb using suitable absorbent such as clay, sand. Dispose of via authorised waste disposal contractor in accordance with the Environmental Protection Act 1990.

7  HANDLING AND STORAGE

Handling Precautions: Maintain good hygiene standards and keep skin contact to a minimum. Wear protective clothing and gloves if prolonged or frequent contact is expected.

Storage Conditions: Store under cover between 0°C and 40°C and in well-ventilated conditions away from sources of heat and ignition.

8  EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits: Contains no substances with occupational exposure limit values.

Protective Clothing: Wear protective clothing and gloves if prolonged or frequent contact is expected.

9  PHYSICAL PROPERTIES

[Typical Figures]

Appearance: Viscous translucent colourless liquid

Density at 15°C kg/l: 0.968

Flash Point (C)°C: 316

Auto ignition Temperature °C: In excess of 400.

Water solubility: Slightly soluble

Freezing point °C: -55°C

10  STABILITY AND REACTIVITY

Conditions to Avoid; None
Materials to Avoid: None

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, unburnt hydrocarbons, irritant aldehydes and ketones, polycyclic aromatics, particulate matter (i.e. smoke).

11 TOXICOLOGICAL INFORMATION

Silicone fluids are practically inert from a physiological point of view.

Eyes: Rabbit: mild irritation – 24 hour.

Skin: Rabbit: mild irritation – 24 hour.

Ingestion: May be harmful if swallowed.

Aspiration: No data available.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Carcinogenicity: No component is present at levels great than or equal to 0.1% is identified as possible, or confirmed, human carcinogen.

12 ECOLOGICAL INFORMATION

Mobility: Minimal.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available.

Aquatic Toxicity: Toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Dispose of used product and containers in line with current environmental legislation including the Environment Act 1990. Do not allow the oil to contaminate ponds, soil and drains.

14 TRANSPORT INFORMATION

This product is not classed as hazardous for conveyance.

15 REGULATORY INFORMATION

None.

16 OTHER INFORMATION

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