

# Material Safety Data Sheet

## 1. Identification of Preparation and Company

Product                    **Diamond 0w/40**

Company                    Granville Oil & Chemicals Limited  
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## 2. Composition & Information on Ingredients

A blend of highly refined mineral oils, detergent, dispersant, anti-wear additives and viscosity index improvers.

## 3. Hazards Identification

The product is not classified as hazardous under current EEC Labelling Legislation when used in the application for which it is intended. Prolonged or extensive skin contact with the product may result in skin disorders. The risk of skin disorders may be increased if the product has been used and / or contaminated.

## 4. First Aid Measures

**Inhalation**     Remove from exposure. Keep warm and at rest, obtain medical attention if symptoms persist.

**Skin Contact**   Remove contaminated clothing. Wash skin with soap and water or a recognised skin cleanser. Obtain medical attention if symptoms persist.

**Eye Contact**    Irrigate eye with copious amounts of eyewash solution or clean water holding the eyelids apart for at least 15 minutes. Obtain medical attention if symptoms persist.

**Ingestion**        Wash out mouth with water and give plenty of water to drink, keep patient warm and at rest and seek medical advice. **Do not induce vomiting.**

**Advice to physicians:**    Treat symptomatically.

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## 5. Fire Fighting Measures

### Extinguishing Media

Use dry chemical or carbon dioxide. Do not use water jet.

### Hazardous Decomposition Products

Toxic fumes may be evolved on burning or exposure to heat. See Section 10 of this sheet.

### Special Fire Fighting Precautions

Fires in enclosed spaces should only be tackled by trained personnel with self contained breathing apparatus.

## 6. Accidental Release Measures

**Personal Precautions:** Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition.

**Decontamination procedures:** Contain with inert absorbent such as sand. Soak up with same or remove by pumping or best available means. Prevent entry into drains, sewers or water courses. In case of spillage on water contain by boom and collect by skimming or absorption.

## 7. Handling and Storage

**Handling:** Keep containers tightly closed. Avoid sources of ignition. A bunded storage area may be required. Compatible with most common metals but may soften rubber. If the product is to be heated, avoid direct high temperature heat sources. Use suitable mechanical equipment for the safe handling of drums and heavy packages.

**Storage:** Store drums undercover. If stored outside avoid ingress of water. Protect from mechanical impact. Keep cool, away from heat and sources of ignition.

## 8. Exposure Controls / Personal Protection

Ingredient	LTEL 8Hr TWA	STEL	SCOURCE
Mineral Oil	5mg/m	10mg/m	EH 40

**Respiratory Protection** Local exhaust ventilation is recommended when excessive product misting occurs.

**Hand Protection** Wear impervious gloves.

**Eye Protection** Wear safety glasses or goggles.

## 9. Physical and Chemical Properties

Appearance:	Amber liquid
Odour:	Oily
Flash Point:	Greater than 200 degrees C
Solubility (water):	Negligible
Pour Point:	Less than -10 degrees C

## 10. Stability and Reactivity

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Stable under normal conditions. Will not polymerise.

**Hazardous reactions** Avoid strong oxidising agents and high temperatures near or above flash point.

**Hazardous decomposition** Carbon dioxide, carbon monoxide, other hazardous gases.

## 11. Toxicological Information

Inhalation: Unlikely to be hazardous.

Skin Contact: Unlikely to be hazardous but prolonged contact may produce skin disorders.

Eye Contact: May cause transient irritation.

Ingestion: May cause nausea, vomiting and diarrhoea.

Used / contaminated oils may present a more serious health hazard. Engine oils become contaminated during use and generate potential carcinogens. Avoid contact with used oils.

## 12. Ecological Information

Not usually hazardous.

## 13. Disposal Consideration

Where possible product should be recycled. Disposal should be in accordance with local, state or national legislation. Place used and contaminated materials in suitable containers, do not dispose into soil, ground, ditches, drains or water courses.

## 14. Transport Information

Not classified as dangerous for all modes of transport.

## 15. Regulatory Information

This product is not classified as dangerous to supply.

## 16 Other Information

Control of Substances Hazardous to Health Regulations 1994 (SI 1994 No 3246)

Road Traffic (Carriage of Dangerous Substances in Packages etc) Regulations 1992

Carriage of Dangerous Substances by Road and Rail (Classification, Packaging and Labelling)

Regulations 1994 (CDG-CPL) (SI 1994 No 669) Hazardous Waste Directive 91/689/EEC

HSE Guidance Note EH40

UN Recommendations on the Transport of Dangerous Goods (the Orange Book) HMSO 9th edition, 1995, ISBN 92 1 139048 6

Occupational Skin Diseases: Health and Safety Precautions (EH26)

The Carcinogenicity of Mineral Oils (EH58) Skin Cancer caused by Oil (MS (B) 5) Effect of Mineral Oil on Skin

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