

Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

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

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2: COMPOSITION / INFORMATION ON INGREDIENTS

Blend of highly refined mineral oils with a packaged additive system containing anti-wear, corrosion and oxidation inhibitors.

3: HAZARDS IDENTIFICATION

This product is not classified as hazardous under current UK Health and Safety Environmental Legislation when used in the application for which it is intended. However, 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 become contaminated.

4: FIRST-AID MEASURES

- Eyes:** Irrigate immediately with copious quantities of water. If irritation persists, seek medical attention.
- Skin:** Wash thoroughly with soap and water.
- Inhalation:** Remove to fresh air. If effects persist seek medical advice.
- Ingestion:** DO NOT induce vomiting. Wash mouth out with water. Obtain immediate medical attention showing this sheet.
- Pressure Injection:** Always obtain immediate medical attention even though the injury may appear minor.

5: FIRE-FIGHTING MEASURES

- Flammability:** Product not classified as flammable but is highly combustible.
- Extinguishing Media:** Use foam, dry powder, CO2. Use water fog to cool fire exposed surfaces.
- Products of Combustion:** Oxides of carbon, sulphur and zinc oxides in small proportion.

6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition.
- Environmental Precautions:** Prevent entry into drains, sewers and water courses.
- Decontamination Procedures:** Soak up with inert absorbent or contain and remove by pumping or best available means. In case of a spillage on water contain by a boom and collect by skimming or absorption.

7: HANDLING AND STORAGE

- Keep containers tightly closed.
- Store drum undercover in racking protected from mechanical impact. If stored outside, ingress of water should be avoided e.g. by placing containers on their side. Avoid sources of ignition.
- A bunded storage area may be required.
- Compatible with most common metals.
- May soften certain rubbers.
- If the product is to be heated avoid direct high temperature heat sources.
- Provide suitable mechanical equipment for the safe handling of drums and heavy packages.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	8-House TWA	STEL	Source/Other Information
Mineral Oil (see oil mist, mineral)	5mg/m ³	10mg/m ³	EH40

Engineering Control Measures:

Local exhaust ventilation is recommended when excessive product misting occurs.

Personal Protection:

Avoid skin and eye contact. Wear impervious gloves (e.g. of PCV), in case of repeated or prolonged contact. Change contaminated clothing and thoroughly clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light coloured
Odour:	Oily
Flash Point (Closed °C)	205
Relative Density (@ 20°C)	0.876
Water Solubility:	Nil
Kinematic Viscosity (@ 40°C)	22

10: STABILITY AND REACTIVITY

Stability: Stable, will not polymerise.
Materials to Avoid: Strong oxidising agents.
Hazardous Decomposition Products:
 Irritant fumes. Do not breathe products of decomposition.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Estimated oral LD50, rat >2g/kg:

HEALTH EFFECTS

On Eyes: May cause transient irritation.
On Skin: Unlikely to cause harm on brief or occasional contact.
By inhalation: Low volatility makes inhalation unlikely at ambient temperatures.
By ingestion: May cause nausea, vomiting and diarrhoea.
Chronic: Repeated and prolonged skin contact may lead to skin disorders.
Other: Products which have become contaminated in use or from external sources may present more serious effects.

12: ECOLOGICAL INFORMATION

Biodegradability: <50% (CEC L-33-T-82)

Chemical Oxygen Demand (mgO2/l): Not determined.

Mineral oils are inherently but not readily biodegradable. Leaching and penetration of mineral oils through surface soils is generally regarded as resulting in long term persistence. Fresh or used mineral oils may be harmful to aquatic life.

13: DISPOSAL CONSIDERATIONS

Place used and contaminated materials/packaging in suitable containers. Dispose of the controlled waste in accordance with Duty of Care Regulations (Environmental Protection Act 1990 – Section 34 (7) using a licensed waste disposal company.

14: TRANSPORT INFORMATION

Classification for transport:

NOT CLASSIFIED AS DANGEROUS SUBSTANCE FOR TRANSPORT ON UK MAINLAND.

UN Number: N/A
Packaging Group: N/A
Shipping Name: N/A
IMO Class: N/A
Marine Pollutant: NO
ADR/RID: N/A
ICAO/IATA: N/A

15. REGULATORY INFORMATION LABELLING**Hazard Label Data:**

This product is not classified as dangerous for supply in the UK.

EC Directives:

Framework Waste Directive, 91/156/EEC
 Waste Oil Directive, 87/101/EEC

Statutory Instruments:

The Health and safety at Work, etc. Act 1974
 Consumer Protection Act 1987
 Environmental Protection Act 1990
 Control of Substance Hazardous to Health Regulations 1988
 Chemicals (Hazard Information and Packaging) Regulations 1993

16: OTHER INFORMATION

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others that may be effected of any hazards described in this sheet and of any precautions, which should be taken.

Approved Code of Practice:

Waste Management. The Duty of Care.

Guidance Notes:

- Occupational skin diseases: Health and Safety Precautions (EH 26)
- Occupational exposure limits (EH 40)
- The carcinogenicity of mineral oils (EH 58)
- Skin cancer caused by oil [MS(B)5]
- Save your skin! – Occupational Contact Dermatitis [MS(B)6]
- Dermatitis – cautionary notice [SHW 367]
- Metalworking Fluids – Health Precautions [EH 62]
- Code of Practice for Metalworking Fluids [Institute of Petroleum]
- The above publications are available from HMSO and HSE Sources.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.