

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

NAME OF MANUFACTURER/SUPPLIER:

FUCHS LUBRICANTS

sheet 1 of 4
Revision number

Last Revision Date:
Issue Date:

30/11/1998

ADDRESS:

Silkolene Oil Refinery, Belper, Derbyshire DE56 1WF, U.K.

Business Telephone No :08701 200400

Fax:01773 823659

Health and Safety emergency telephone no.: 01782 202500

PRODUCT NAME:

Product Code: 1551

Retarder Fluid

APPLICATION:

Supplied for use as a retarder fluid in SCG brake retarders

2. COMPOSITIONAL INFORMATION.

General: Comprises a blend of highly refined mineral oils and multifunctional additives

Hazardous Ingredients

R & S Phrases

%

Severely refined mineral oil, (mist)

Not applicable.

>90%

Not classified as hazardous for supply.

3. HAZARDS IDENTIFICATION.

Low order of acute oral toxicity. Ingestion of this product is not regarded as a significant health hazard likely to arise in normal use.

Special hazards of

product after use: The risk of skin disorders may increase if the product becomes contaminated

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4. FIRST AID MEASURES.

Eyes: Wash immediately with copious quantities of water. If irritation persists, seek medical attention

Skin: Wash thoroughly with soap and water. Apply emollient cream.

Inhalation: Remove to fresh air. If effects persist, seek medical advice.

Ingestion: DO NOT INDUCE VOMITING. Wash mouth out with water. Give milk and 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: Not classified as flammable but is inherently combustible.

Flash Point (°C, PMCC): 215

Extinguishing Media: Use foam, dry powder, CO₂. Never use water .

Products of Combustion: Carbon dioxide, carbon monoxide, and partially oxidised organic fragments of the product's main ingredients

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Plastic or rubber gloves and boots

Environmental precautions: Contain spilled product with sand or earth. Prevent spills from entering waterways. Collect absorbent material for disposal.

Decontamination procedures: Absorb in earth or sand and remove to a safe place. In case of spillage on water contain by a boom and collect by skimming or absorption.

7. HANDLING AND STORAGE

Store in clearly marked containers under cover at a maximum temperature of 40°C. Keep away from food and drink. Compatible with most common metals.

Storage temp.: Ambient

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Occupational exposure limits	Substance	LT _{EL}	ST _{EL}	Source/other information
	highly refined mineral oils	5mgm ⁻³		Occupational Exposure Limits (EH40)

Engineering control measures Local exhaust ventilation is recommended when excessive product misting occurs.

Personal protection Good working practices and personal hygiene standards should be maintained at all times. Wash hands after use and always before eating, drinking, smoking, and before using the toilet. Change heavily contaminated clothing as soon as reasonably practicable. Wash any contaminated underlying skin with soap and water.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid.	Odour:	Typical mineral oil.
Specific Gravity at 15.6°C:	0.877	pH	Not applicable.
Vapour pressure @ 20°C:	<0.01 mm Hg.	Vapour density (air=1):	> 1
Boiling point (°C):	>250	Pour Point/Melting Point (°C):	-35
Flash Point (°C, PMCC):	215	Autoignition Temperature, °C:	>250
Flammability Limit, in Air, % by Volume:	LEL: N.D.	UEL:	N.D.
Kinematic Viscosity at 40°C, mm ² s ⁻¹ :	26		
Solubility: Insoluble in water. Soluble in petroleum solvents.			

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

10. STABILITY AND REACTIVITY

Stability:	The product is stable and not subject to polymerisation
Conditions to avoid:	Avoid exposure to extreme heat.
Materials to avoid:	Incompatible with strong oxidising agents
Hazardous decomposition products:	Oxides of carbon and water vapour with unidentified organic compounds with dense, white, irritating smoke.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.

Estimated oral LD₅₀, Rat, >2000mg/Kg.**HEALTH EFFECTS**

On eyes:	May cause temporary irritation and discomfort
On skin:	Generally non-irritant on incidental contact. Excessive or prolonged contact may give rise to slight irritation.
By inhalation:	Harmful concentrations of vapour do not normally arise except under high temperature or high atomisation. High concentrations of mist may give rise to respiratory irritation.
By ingestion:	Ingestion of large quantities may cause nausea, sickness and diarrhoea
Chronic:	None determined
Other:	None determined

12. ECOLOGICAL INFORMATIONBiodegradability: <50% (CEC L-33-T-82) Chemical Oxygen Demand (mgO₂/l): Not determined.

Such materials have limited biodegradability but are regarded as inherently biodegradable. Leaching and penetration through surface soils is generally regarded as resulting in long term persistence. Fresh or used product may be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS.

Dispose of product and container carefully and responsibly. Do not allow to contaminate ponds, water courses or drains. The product can be burnt under controlled conditions or removed by approved waste contractors

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14. TRANSPORT INFORMATION

Classification for transport: Not classified as hazardous for transport.

Shipping name: n.a.

UN number: n.a.

Packaging Group: n.a.

UN Class: n.a.

Marine pollutant:

ADR/RID: n.a.

ICAO/IATA: n.a.

15. REGULATORY INFORMATION

Hazard label data not classified

R & S Phrases

EC Directives

Framework waste directive, 91/156/EEC
Waste oil directive, 87/101/EEC

Statutory information

The Health and Safety at Work etc Act, 1974
Environmental Protection Act, 1990

European Waste Catalogue No.: 13 02 02

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 who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Approved codes of practice

Waste Management. The Duty of Care

Guidance notes

Guidance Note EH 40. "Occupational Exposure Limits"
Guidance Note EH 58. "The Carcinogenicity of Mineral Oils"
IND (G) 165-169: Metalworking fluids.
SHW 397 Effects of Mineral Oil on the Skin.
MS/B/5 "Skin cancer caused by oil"
MS 24: Health surveillance of occupational skin disease
EH 62: Metalworking fluids : health precautions.