



# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## OPUS FIRE RESISTANT HYDRAULIC OIL ISO 68

Revision 0

Revision date 2020-01-24

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** OPUS FIRE RESISTANT HYDRAULIC OIL ISO 68

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Product Use** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC17] Hydraulic fluids;

#### 1.3. Details of the supplier of the safety data sheet

**Company** Ferguson & Menzies Ltd  
**Address** 312 Broomloan Road  
Glasgow G51 2JW  
**Web** www.fergusonmenzies.co.uk  
**Telephone** 0141-445 3555  
**Fax** 0141-425 1079  
**Email** info@fergusonmenzies.co.uk  
**Email address of the competent person** info@fergusonmenzies.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone number** 0141-445-3555  
09.00 - 17.00

### SECTION 2: Hazards identification

#### 2.2. Label elements

**Risk phrases** No Significant Hazard

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
DIETHYLENE GLYCOL	603-140-00-6	111-46-6	203-872-2		30 - 40%	Acute Tox. 4: H302;
Octanoic Acid, Compound with 2,2',2"- Nitrilotriethanol		22919-56-8	245-327-1		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation** May cause irritation to mucous membranes. Move the exposed person to fresh air.

**Eye contact** May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Skin contact** May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove

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## 4.1. Description of first aid measures

Ingestion	contaminated clothing. Seek medical attention if irritation or symptoms persist. May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.
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## 4.2. Most important symptoms and effects, both acute and delayed

Skin contact	May cause sensitisation by skin contact.
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## 4.3. Indication of any immediate medical attention and special treatment needed

Skin contact	If skin irritation or rash occurs: Get medical advice/attention.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
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### 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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### 6.4. Reference to other sections

	See section 8 for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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### 7.3. Specific end use(s)

	See section 1.2 for further information.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
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#### 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

DIETHYLENE GLYCOL	WEL 8-hr limit ppm: 23	WEL 8-hr limit mg/m3: 101
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: . Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Red
Odour	Characteristic
Melting point	<
Initial boiling point	>
Viscosity	71 cSt @ 40°C
Solubility	Miscible in water

### 9.2. Other information

Specific gravity	0.932 g/cm <sup>3</sup>
Pour point	-20 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No data available.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	Hazardous reactions will not occur under normal transport or storage conditions.
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### 10.4. Conditions to avoid

	Heat, sparks and open flames.
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### 10.5. Incompatible materials

	Strong oxidising agents.
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### 10.6. Hazardous decomposition products

	Do not breathe gas/fumes/vapour/spray.
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## SECTION 11: Toxicological information

### 11.1.4. Toxicological Information

DIETHYLENE GLYCOL	Dermal Rat LD50: 13300 mg/kg	Oral Rat LD50: 19600 mg/kg
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	No data is available on this product.	
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## SECTION 12: Ecological information

### 12.1. Toxicity

DIETHYLENE GLYCOL	Daphnia EC50/48h: 10000.0000 mg/l Fish LC50/96h: 75200 mg/l	Algae IC50/72h: 2700.0000 mg/l
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### Further information

No data is available on this product.

## SECTION 13: Disposal considerations

### General information

Dispose of in compliance with all local and national regulations.

### Disposal methods

Contact a licensed waste disposal company.

### Disposal of packaging

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

### Further information

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## SECTION 16: Other information

### Other information

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**Other information**

<b>Text of Hazard Statements in Section 3</b>	Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
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**Further information**

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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