



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

OPUS HYDRAULIC ISO 100

Revision 0

Revision date 2016-01-13

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

1.1. Product identifier

Product name	OPUS HYDRAULIC ISO 100
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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;
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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
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
ZINC DIALKYL DITHIOPHOSPHATE		68649-42-3			0 - 0.5%	Xi; R36/38 N; R51/53	

OPUS HYDRAULIC ISO 100

Revision 0

Revision date 2016-01-13

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Solvent Neutral 500					90 - 100%		
Solvent Neutral 150		64741-88-4	265-090-8		0 - 0.5%		
ZINC DIALKYL DITHIOPHOSPHATE acrylic copolymer		68649-42-3			0 - 0.5%		
ALKYL PHENOL					0 - 0.5%	Skin Irrit. 2: H315; Aquatic Chronic 1: H410;	
MINERAL OIL					0 - 0.5%		
ALKARYL AMINE			270-128-1		0 - 0.5%	Aquatic Chronic 4: H413;	
Calcium long-chain alkyl phenate sulphide					0 - 0.5%	Aquatic Chronic 4: H413;	
Poly(oxyalkylene) alkyl ether					0 - 0.5%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319;	
Calcium alkaryl sulfonate					0 - 0.5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	
Phenol, 4-dodecyl-		104-43-8	203-202-9		0 - 0.5%	Skin Irrit. 2: H315; Repr. 2: H361f; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

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 contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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

OPUS HYDRAULIC ISO 100

Revision 0

Revision date 2016-01-13

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.

6.4. Reference to other sections

See section 8 for further information.

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.

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.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Adopt best Manual Handling considerations when handling, carrying and dispensing.

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	Amber
Odour	Characteristic
Flash point	225 °C
Viscosity	11.4 cSt @ 100°C

9.2. Other information

Specific gravity	0.883 g/cm ³
Pour point	-20 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

OPUS HYDRAULIC ISO 100

Revision 0
Revision date 2016-01-13

10.4. Conditions to avoid

Heat, sparks and open flames.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Do not breathe gas/fumes/vapour/spray.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

No data available

No data is available on this product.

SECTION 12: Ecological information

12.1. Toxicity

No data available

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

OPUS HYDRAULIC ISO 100

Revision 0

Revision date 2016-01-13

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.
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SECTION 16: Other information**Other information**

Text of risk phrases in Section 3	R36/38 - Irritating to eyes and skin. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life. Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation. Repr. 2: H361f - Suspected of damaging fertility. Aquatic Acute 1: H400 - Very toxic to aquatic life.

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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