



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

OPUS BIO HYDRAULIC 32

Revision 0

Revision date 2015-09-11

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

1.1. Product identifier

Product name	OPUS BIO HYDRAULIC 32
--------------	-----------------------

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; [SU17] General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment; [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

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
--------------	-----------------------

2.2. Label elements

Risk phrases	No Significant Hazard
--------------	-----------------------

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.
Amines, C11-14-branched Alkyl, Monoheptyl and Dihexyl Phosphates		80939-62-4	279-632-6		0 - 0.5%	Xi; R36/38 N; R51/53	

OPUS BIO HYDRAULIC 32

Revision 0

Revision date 2015-09-11

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
REFINED RAPESEED OIL					50 - 100%		
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	607-530-00-7	125643-61-0	406-040-9		0.5 - 5%	Aquatic Chronic 4: H413;	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene		68411-46-1	270-128-1		0 - 5%	Aquatic Chronic 3: H412;	
Amines. C11-14-branched Alkyl, Monoethyl and Diethyl Phosphates		80939-62-4	279-632-6		0 - 5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;	
O,O,O-Triphenyl Phosphorothioate		597-82-0	209-909-9		0 - 5%	Aquatic Chronic 4: H413;	
Alcohols, C11-15 Ethoxylated		68551-14-4			0 - 5%	Aquatic Chronic 3: H412;	
Thiodiethylene Bis[3-(3,5-Di-tert-butyl-4-Hydroxyphenyl) Propionate]		41484-35-9	255-392-8		0 - 5%	Aquatic Chronic 4: H413;	
Reaction mass of 1H-Benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-6-methyl-, and 2H-Benzotriazole-2-methanamine, N,N-bis(2-ethylhexyl)-4(or 5)-methyl-, and N,N-bis(2-ethylhexyl)-4(or5)-methyl-1H-benzotriazole-1-methylamine			939-700-4		0 - 5%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;	
Diphenylamine	612-026-00-5	122-39-4	204-539-4		0 - 5%	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
--	--

6.2. Environmental precautions

OPUS BIO HYDRAULIC 32

Revision 0

Revision date 2015-09-11

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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	330 °C
Viscosity	8.5 cSt @ 100°C

9.2. Other information

Specific gravity	0.925 g/cm ³
Pour point	-26 °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

OPUS BIO HYDRAULIC 32

Revision 0

Revision date 2015-09-11

10.3. Possibility of hazardous reactions

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

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

OPUS BIO HYDRAULIC 32

Revision 0

Revision date 2015-09-11

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

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

	Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Acute 1: H400 - Very toxic to aquatic life. Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 3: H311 - Toxic in contact with skin. Acute Tox. 3: H331 - Toxic if inhaled. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
--	---

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.
--	--