



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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OPUS T.F.R. CONCENTRATE

Revision 1
Revision date 2023-03-23

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

1.1. Product identifier

Product name OPUS T.F.R. CONCENTRATE

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;

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
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

2.1.2. Classification - EC 1272/2008 Skin Corr. 1A: H314;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Precautionary Statement: Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor/ .
P321 - Specific treatment (see on this label).

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2.2. Label elements

Precautionary Statement: Storage	P363 - Wash contaminated clothing before reuse.
	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

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
Alcohols C6-C12 Ethoxylated		68439-45-2	614-481-5		1 - 10%	Eye Dam. 1: H318;
Potassium hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 10%	Acute Tox. 4: H302; Skin Corr. 1A: H314;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	Skin Corr. 1A: H314;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating 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	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Coughing, difficulty in breathing and in severe cases, loss of consciousness.
Skin contact	May cause sensitisation by skin contact. May cause severe irritation to eyes and skin.
Ingestion	Headache, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation may cause nausea and vomiting.
Eye contact	Risk of serious damage to eyes.
Skin contact	If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
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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. Wear suitable protective equipment.
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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****8.1.1. Exposure Limit Values**

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8.1.1. Exposure Limit Values

Potassium hydroxide	<p>WEL 8-hr limit ppm: -</p> <p>WEL 15 min limit ppm: -</p> <p>WEL 8-hr limit mg/m3 total -</p> <p>inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total -</p> <p>respirable dust:</p> <p>ATE ORL-CAT 1- H300: -</p> <p>ATE ORL-CAT 3- H301:</p> <p>ATE DRM-CAT 1- H310:</p> <p>ATE DRM-CAT 3- H311:</p> <p>ATE INH-GAS- CAT 1- H330:</p> <p>ATE INH-GAS- CAT 3- H331:</p> <p>ATE INH-VAP- CAT 1- H330:</p> <p>ATE INH-VAP- CAT 3- H331:</p> <p>ATE INH-D/M- CAT 1- H330:</p> <p>ATE INH-D/M- CAT 3- H331:</p> <p>PNEC Aqua(Fresh):</p> <p>PNEC Sediment(Fresh):</p> <p>PNEC Soil:</p>	<p>WEL 8-hr limit mg/m3: -</p> <p>WEL 15 min limit mg/m3: 2</p> <p>WEL 15 min limit mg/m3 total -</p> <p>inhalable dust:</p> <p>WEL 15 min limit mg/m3 total -</p> <p>respirable dust:</p> <p>ATE ORL-CAT 2- H300:</p> <p>ATE ORL-CAT 4- H302:</p> <p>ATE DRM-CAT 2- H310:</p> <p>ATE DRM-CAT 4- H312:</p> <p>ATE INH-GAS- CAT 2- H330:</p> <p>ATE INH-GAS- CAT 4- H332:</p> <p>ATE INH-VAP- CAT 2- H330:</p> <p>ATE INH-VAP CAT 4- H332:</p> <p>ATE INH-D/M- CAT 2- H330:</p> <p>ATE INH-D/M- CAT 4- H332:</p> <p>PNEC Aqua(Marine):</p> <p>PNEC Sediment(Marine):</p>
Sodium hydroxide	<p>WEL 8-hr limit ppm: -</p> <p>WEL 15 min limit ppm: -</p> <p>WEL 8-hr limit mg/m3 total -</p> <p>inhalable dust:</p> <p>WEL 8-hr limit mg/m3 total -</p> <p>respirable dust:</p> <p>ATE ORL-CAT 1- H300: -</p> <p>ATE ORL-CAT 3- H301:</p> <p>ATE DRM-CAT 1- H310:</p> <p>ATE DRM-CAT 3- H311:</p> <p>ATE INH-GAS- CAT 1- H330:</p> <p>ATE INH-GAS- CAT 3- H331:</p> <p>ATE INH-VAP- CAT 1- H330:</p> <p>ATE INH-VAP- CAT 3- H331:</p> <p>ATE INH-D/M- CAT 1- H330:</p> <p>ATE INH-D/M- CAT 3- H331:</p> <p>PNEC Aqua(Fresh):</p> <p>PNEC Sediment(Fresh):</p> <p>PNEC Soil:</p>	<p>WEL 8-hr limit mg/m3: -</p> <p>WEL 15 min limit mg/m3: 2</p> <p>WEL 15 min limit mg/m3 total -</p> <p>inhalable dust:</p> <p>WEL 15 min limit mg/m3 total -</p> <p>respirable dust:</p> <p>ATE ORL-CAT 2- H300:</p> <p>ATE ORL-CAT 4- H302:</p> <p>ATE DRM-CAT 2- H310:</p> <p>ATE DRM-CAT 4- H312:</p> <p>ATE INH-GAS- CAT 2- H330:</p> <p>ATE INH-GAS- CAT 4- H332:</p> <p>ATE INH-VAP- CAT 2- H330:</p> <p>ATE INH-VAP CAT 4- H332:</p> <p>ATE INH-D/M- CAT 2- H330:</p> <p>ATE INH-D/M- CAT 4- H332:</p> <p>PNEC Aqua(Marine):</p> <p>PNEC Sediment(Marine):</p>

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear.. Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Red
Odour	Characteristic
pH	13
Flash point	100
Evaporation rate	SLOW
Flammability (solid, gas)	> 150
Autoignition temperature	> 150

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

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

SECTION 12: Ecological information

12.1. Toxicity

No data available

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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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 Maritime Transport in bulk according to IMO Instruments

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

Regulations

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

Revision

This document differs from the previous version in the following areas:

- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Precautionary Statement: Prevention.
- 2 - Precautionary Statement: Response.
- 2 - Precautionary Statement: Storage.
- 2 - Precautionary Statement: Disposal.
- 9 - 9.1. Information on basic physical and chemical properties (Flash point).
- 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
- 9 - 9.1. Information on basic physical and chemical properties (Colour).
- 9 - 9.1. Information on basic physical and chemical properties (PH).
- 9 - 9.2. Other information (Specific gravity).

Text of Hazard Statements in Section 3

Eye Dam. 1: H318 - Causes serious eye damage.
 Acute Tox. 4: H302 - Harmful if swallowed.
 Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Eye Irrit. 2: H319 - Causes serious eye irritation.

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.