

Material Safety Data Sheet

In accordance with Regulation (EU) 2015/830
in accordance with Regulation (EC) No. 1907/2006



Trade name: F-Exx 8.0 C

Revised: August 21th, 2018

Version: 1.0.10

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1. Name of the substance or preparation and company name

1.1 Trade name

F-Exx 8.0 C

1.2 Product Usage

Fire extinguishing liquid specifically applicable for fire classification A, B and F; without gaseous blowing agents.

1.3 Manufacturer/Supplier

Tecto SMT GmbH
Thrasoltstr. 46
D-55439 Saarburg
Germany
Phone: +49 / 6581 / 912-0
Fax: +49 / 6581 / 912-410
Contact: feuerloescher@tecto.de

1.4 Emergency information

Phone: +49 / (0) 551 19240
National Poisons Information Centre, Göttingen, Germany

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]
Not classified
Product is not a pressure vessel within the meaning of the Directives 2014/68/EU.

2.2 Label elements

Labelling according to Regulation (EC) No.1272/2008 [CLP]
No labelling applicable

2.3 Other hazard

The extinguishing liquid contains non-biodegradable fluorosurfactants.
Can harm the aquatic fauna when entering surface waters.
Can harm the bacteria population in waste water treatment when entering the sewerage system.
Breathing is not possible whilst submerged in the foam. Take care when spraying people!

3. Composition / information on ingredients

3.1 Substance

No information available.

3.2 Mixture

1,2-Ethandiol
2-(2-Butoxyethoxy)Ethanol
Fluorosurfactant

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4. First aid measures

4.1 Description of first aid measures

- | | |
|--------------------------|--|
| General: | Remove contaminated, saturated clothing immediately.
Wash thoroughly the body (shower or bath).
Observe risk of aspiration if vomiting occurs.
When in doubt or if symptoms are observed, get medical advice. |
| After inhalation: | Provide fresh air.
Consult a doctor immediately in case of inhaling spray mist and show him packing or label. |
| After ingestion: | Do NOT induce vomiting.
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. |
| After eye contact: | In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. |
| After contact with skin: | Wash immediately with water. |

4.2 Most important symptoms and effects, both acute and delayed

Drowsiness, Nausea, Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

- If unconscious place recovery position and seek medical advice.
- If swallowed: Immediately call a poison centre/doctor!

5. Fire-fighting measures

5.1 Extinguishing media

- | | |
|---------------------------------|---|
| Suitable extinguishing media: | Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media: | No information available. |

5.2 Special hazards arising from the substance or mixture

The extinguishing liquid does not burn.

5.3 Advice for firefighters

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2 Environmental precautions

Cover drains. Do not allow to enter into soil/subsoil. Do not allow to enter into surface waters or drains.

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6.3 Reference to other sections

See Heading 7. See Heading 8.

7. Handling and storage

7.1 Precautions for safe handling

Handling: According to the composition of this product no special precaution rules are necessary. When handling, observe the usual industrial precautionary measures. Use hand gloves, protective clothes and safety glasses.

7.2 Conditions for safe storage, including any incompatibilities

Storage condition: Container does not hold compressed gas. Protect from heat and sunlight.

VCI storage class: 12

Storage temperature: -20°C to +60°C

Prohibitions on mixed storage: Keep away from food, drink and animal feeding stuff.

7.3 Specific end use(s)

Fire extinguishing foams based on synthetic surfactants.

Do not use for cleaning purposes.

8. Exposure controls/ personal protection

8.1 Control parameters

No information available.

8.2 Exposure controls

Avoid contact with skin, eyes and clothing.

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Particle filter P1

Hand protection: Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Eye protection: Chemical goggles with side protection (EN 166)

Body protection: Not necessary

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: Yellow/ Brown

pH: 7,5-8,5

Solidification point: -30°C

Initial boiling point and range: > 100°C

Flash point: No flash point up to 100 °C

Density at 20°C: 1,070-1,110 g/ml

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Solubility: Water: Completely miscible
Viscosity, kinematic at 20°C: < 10 mm²/s
Viscosity, kinematic at -30°C: < 80 mm²/s
Breathing is not possible whilst submerged in foam. Take care when spraying people!

10. Stability and reactivity

10.1 Chemical stability

No special measures are necessary.

10.2 Possibility of hazardous reactions

No special measures are necessary.

10.3 Conditions to avoid

Do not store at temperatures above +50°C.

10.4 Hazardous decomposition products

Pyrolysis products, containing fluorine
Fluorinated hydrocarbons
Hydrofluoric acid

10.5 Reactivity

Alkali (lye), concentrated
Alkali metals
Acid, concentrated
Oxidising agent, strong
Reducing agent, strong
Acid halides

11. Toxicological information

Skin corrosion/irritation: Not irritating.

Acute oral toxicity: The acute oral toxicity is corresponding to GHS-category 5.

12. Ecological information

12.1 Toxicity

The product contains non-biodegradable fluorosurfactants.
Some of the components are poorly biodegradable.
Observe local regulations concerning effluent treatment.
Special pre-treatments are necessary.

12.2 Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater

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13. Disposal considerations

13.1 Waste treatment methods

The disposal of full, partially emptied and empty fire extinguishers (by the end-consumer) in the residual waste is not a problem.

An up to 3% solution of the extinguishing agent can be added to the sewage system at a ratio of 1:11 with other waters.

Remark: Delivery to an approved waste disposal company.

Send to a hazardous waste incinerator facility under observation of official regulation.

Dispose according to legislation.

14. Transport information

The Fire-Exx 8.0 C is not subject to the regulations for dangerous goods and not subject to the UN 1950 and UN 1044.

Customs tariff number: 84241000

15. Regulatory information

15.1 EU-Regulations

EU Directive: This preparation is not classified as dangerous according Directive 1999/45/EC or Directive 67/548/EC and its amendments.

Regulation (EC) No.648/2004 (Detergents regulation)

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Volatile organic compounds (VOC) content in percent by weight: max.5

Hazardous Symbol: None

EU labelling classification: None

R – (risk) phrases: This product is not classified according to EU regulations.

S – (safety) phrases: None

P – phrases: P102 Keep out of reach of children.

P262 Do not get in eyes, on skin or on clothing.

P305 + P315 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue rinsing.

P302 + 352 If on skin: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P314 If feeling unwell: Seek medical advice/attention.

P412 Do not expose to temperatures exceeding 50°C/122°F.

Water Hazard Class: Slightly harmful to water (WHC 1)

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16. Further information

Caution! Container under pressure (solely fluid pressure, no gas pressure).

Protect from sunlight and temperatures over 50°C. Do not force open or burn after usage either.

Keep out of reach of children.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties. In all cases, it is the responsibility of user to determine the applicability of such information and recommendations and the suitability of any products for its own particular purpose.

In case of unforeseen effects or properties of the product, the material safety data sheet is not intended as a substitute for the consultation of trained professionals.

Safety data sheet according regulation (EU) 2015/830 and (EC) No. 1907/2006 of the European parliament and of the council from 18th December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (REACH).