

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 S

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 S

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 hazards

Information pertaining to particular dangers to man and the environment:

The extinguishing liquid may cause eye and slight skin irritation. If large amounts are ingested the product may cause nausea and diarrhea. Repeated oral ingestion of large amounts may be harmful to the kidneys. The product contains glycerine, which may be absorbed through the skin. At the application concentrations up to 3% of the concentrate no harmful effects are to be expected.

Not combustible. Combustible after evaporation of the water.

3. Composition / information on ingredients

3.1 Substance

Dangerous ingredients: 2-Methyl- 2, 4-pentandiol
Sodium octyl sulfate
Sodium decyl sulfate
Other ingredients: Glycerine
Water

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3.2 Mixture

Aqueous concentrate of soaps, glycerine and a dihydric alcohol

4. First aid measures

4.1 Description of first aid measures

- General: At the concentration of application up to 3% no first-aid measures are expected to be necessary.
- After inhalation of aerosols: If irritation occurs immediately move the affected person into fresh air. If symptoms persist seek medical attention. (Not relevant for vapours, because almost only water evaporates.)
- After ingestion: If the patient is conscious have him rinse his mouth with water, spit it out and then have him drink water. Do not induce vomiting. Seek medical attention.
- After eye contact: Rinse with plenty of water for at least 15 minutes. See medical attention.
- After contact with skin: Wash skin with plenty of water and soap. Change contaminated clothing. If symptoms persist seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- After ingestion: Symptoms of intoxication can occur later.

4.3 Indication of any immediate medical attention and special treatment needed

After injured skin is contaminated on a large scale apply polyethylene glycol (e.g. Lutrol, PEG 400), leave it for some minutes and then wash with water. After inhalation of aerosols, inhalation of water vapour or application of aerosols of glucocorticoid are indicated.

5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Dependent on burning material.
- Unsuitable extinguishing media: Dependent on burning material.

5.2 Special hazards arising from the substance or mixture

Dependent on burning material.

5.3 Advice for firefighters

Measures dependent on burning material.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

- Protective equipment: If aerosols are generated use fine dust respirator or a ventilated breathing hood.
- Emergency procedures: No information available.

6.1.2 For emergency responders

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Protective equipment: If aerosols are generated use fine dust respirator or a ventilated breathing hood.

Emergency procedures: No information available.

6.2 Environmental precautions

Do not discharge the product into surface water, groundwater and soil.

6.3 Reference to other sections

No information available.

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: 0°C to +50°C

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

7.3 Specific end use(s)

No information available.

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: Transparent, slightly red

Odour: Faint pleasant odour

pH: 8,0 (will be lowered by carbon dioxide from air)

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Melting point:	-1°C
Boiling point and range:	127°C
Flash range:	No inflammability
Vapour pressure:	Almost like water
Density:	1,011 g/ml
Volatile components:	Water
Solubility:	Water: Miscible
Viscosity, kinematic at 20°C:	2,23 mm ² /s
Viscosity, kinematic at 5°C:	4,7 mm ² /s

10. Stability and reactivity

10.1 Chemical stability

The product is stable at normal handling and storage conditions.

10.2 Possibility of hazardous reactions

No dangerous reactions known.

Substances to be avoided: Strong oxidizing agents

10.3 Hazardous decomposition products

After evaporation of water: carbon monoxide, carbon dioxide, different hydrocarbons and small amounts of sulfur compounds, mainly sulfur dioxide when burning.

11. Toxicological information

11.1 Information on the toxicological effect

On the basis of the toxicities of the ingredients the following toxicities of the product are to be expected:

Acute toxicity: After contact the product may cause eye irritation and slight skin irritation. Nausea and diarrhea may result if large amounts of the product are swallowed. No toxic effects are to be expected if industrial hygiene standards are maintained.

After inhalation: The vapour pressure of the remaining ingredients is negligible compared to the ingredient water.

After eyes contact: Irritation is possible.

After ingestion: There are no results. Due to the ingredient 2-methyl-2,4-pentadiol, nausea and diarrhea are most likely to occur.

12. Ecological information

The extinguishing liquid is harmful to water (WHC 2).

13. Disposal considerations

13.1 Waste treatment methods

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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.

EWC code: 16 10 04, aqueous concentrates, other than those mentioned in 16 10 03.

14. Transport information

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

Customs tariff number: 84241000

Longer transport times below 0 ° C should be avoided, otherwise the extinguishing agent freezes.

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.

Hazardous Symbol: None

EU labelling classification: None

VCI Storage Class: 12

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: Harmful to water (WHC 2)

TA-Air: Clause 5.2.5: Organic substances apart from particulate matter: max. mass concentration: 50mg/m³ or max. mass flow: 0,50 kg/h (calculated as total carbon)

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.

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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)