

Material Safety Data Sheet

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



Trade name: F-Exx 1.5 / 2.0 / 3.0 / 8.0 F
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 1.5 / 2.0 / 3.0 / 8.0 F

1.2 Product Usage

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

1.3 Manufacturer/Supplier

Tectro 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 No. 2014/68/EU.

2.2 Label elements

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

2.3 Other hazard

In case of contact with the eyes: May cause slight temporary irritation

3. Composition / information on ingredients

3.1 Substance

No information available.

3.2 Mixture

Blend based on potassium salt

4. First aid measures

4.1 Description of first aid measures

General : In case of doubt or persistent symptoms, consult always a physician.
After inhalation: Move the affected person away from the contaminated area and into the fresh

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air.

After ingestion: Rinse mouth. Go into open air and ventilate suspected area. If you feel unwell, seek medical advice.

After eye contact: Rinse cautiously with water for several minutes. Consult an ophthalmologist if irritation persists.

After contact with skin: Wash with plenty of soap and water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/ injuries after eye contact: May cause slight temporary irritation

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: The product is not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition Products in case of fire : Carbon dioxide. Carbon monoxide. Release of irritant gases/vapours.

5.3 Advice for firefighters

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Avoid contact with eyes.

6.1.2 For emergency responders

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Ventilate area.

6.2 Environmental precautions

Prevent entry to sewer and public waters. Avoid release to the environment.

6.3 Reference to other sections

See Heading 7. See Heading 8. See Heading 13.

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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 +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

Appearance: clear

Colour: Yellow/ Green

Odour: weak

pH: 8-9

Melting point: $\leq -30^{\circ}\text{C}$

Density at 20°C: 1,28g/cm³

Solubility: Water: Soluble

Viscosity, kinematic 3-5mm²/s

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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.

11. Toxicological information

Skin corrosion/irritation: Not classified (based on available data, the classification criteria are not met) pH 8-9

Serious eye damage/ irritation: Not classified (based on available data, the classification criteria are not met) pH 8-9

RC 50

Viscosity, kinematic 3-5mm²/s

12. Ecological information

No information available.

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.

EWC code: 06 03 14 - solid salts and solutions except those that fall under 06 03 11 and 06 03 13

14. Transport information

The Fire-Exx 1.5/ 3.0/ 8.0 F 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

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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)

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).