

# Material Safety Data Sheet

in accordance with Regulation (EC) No.  
1907/2006



Trade name: F-Exx 8.o Bio

Revised: Nov 24<sup>th</sup>, 2014

Version: 1.0.1

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## 1. Name of the substance or preparation and company name

**Trade name:** F-Exx 8.o Bio  
**Product Usage:** Extinguishing agent for developing fires  
Contents: Liquid mixture of 90% water and 10% Bioversal QF-R without gaseous blowing agent  
**Manufacturer/Supplier:** Tectro SMT GmbH  
Thrasoltstr. 46  
D-55439 Saarburg  
Germany  
Phone: +49 / 6581 / 912-0  
Fax: +49 / 6581 / 912-410  
Contact: [feuerloescher@tectro.de](mailto:feuerloescher@tectro.de)  
Emergency number: +49 6131 / 232466 (Mainz poisoning emergency number)

## 2. Potential Hazards

### 2.1 Classification:

none, product is not a pressure vessel within the meaning of the Directives 97/23/EC (Pressure Equipment Directive) and 1999/36/EC (TPED)

### 2.1.1 Additional hazard warnings for persons and the environment:

This product does not meet the criteria for classification in any hazard class. Specific hazards are not to be expected. Nevertheless product should be handled with reasonable caution.

Breathing is not possible if person is submerged in the foam. Take care when spraying persons on fire.

## 3. Composition / information about ingredients

### 3.1 Chemical Characterisation:

Aqueous combination of bio-compatible surfactants with low eco-toxicological potential, polyvalent compounds free of phosphates and nitrates, hetero-organic substances, modified glycol derivates as well as natural colors and fragrances.

### 3.2 Directive (EG) No. 648/2004 for detergents / labelling of ingredients:

#### 3.2.2 GHS classification of hazardous ingredients in accordance with Regulation (EC) No 1272/2008

Bio-compatible surfactants: < 5 % anionic, < 5 % non-ionic, < 5 % amphoteric

## 4. First aid measures

**General information:** In F-Exx / Fire-Ex extinguishing agent is used at a concentration of 10%. When in doubt or if symptoms are observed, seek medical advice.

**After inhalation of aerosols:** Provide fresh air. In case of persistent discomfort, seek medical treatment.

**After contact with skin:** Wash skin with plenty of water.

**After eye contact:** Rinse eyes with holding eyelid apart for several minutes under running water.

**After ingestion:** Drink plenty of water and consult physician. Do not induce vomiting.

**Information for physician:** Irrigation of stomach with taking of Dimeticon (defoamer)

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## 5. Fire-fighting measures

*Further information:* The product is an extinguishing agent.

## 6. Measures in case of accidental release

*Procedures for removal / absorption:* Aspirate larger quantities. Rinse smaller quantities with plenty of water

## 7. Handling and storage

*Precautions for safe handling:* When handling, observe the usual industrial precautionary measures of chemical products.

*Precautions for fire and explosion protection:* No special measures are necessary.

*Storage:* Container does not hold compressed gas. Store between 0 °C and 50 °C. Protect from heat and sunlight. VCI storage class: 12.

*Precautions for combined storage:* Not necessary

*Further information on storage conditions:* None

## 8. Exposure control and personal protective equipment

### 8.1 Components of personal protective equipment:

For fire-fighting, select personal protective equipment appropriate for the burning materials and proper distance.

*General protective measures:* Keep away from food and feeding stuff

## 9. Physical and chemical properties

### 9.1 Appearance

*Consistency:* liquid

*Colour:* slight brownish

*Odour:* typical

### 9.2 Safety-related data

*Melting point:* Approximately 0°C

*Boiling point:* Approximately 100°C

*Flash point:* No ignition

*Density:* almost like water

*Bulk density:* n.a.

*Solubility in water:* completely miscible

*pH value:* almost like water

## 10. Stability and reactivity

No special properties. No hazardous reactions are known.

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## 11. Toxicology information

When used properly, no acute toxic effects are known. Skin friendly, non-hazardous.

## 12. Ecology information

When used properly, no acute toxic effects are known. The product is slightly harmful to water (WHC 1).

*Bio-degradability* readily biodegradable (according to DIN and OECD regulations)

*WHC:* 1

## 13. Disposal considerations

### 13.1 Product:

Recommendation: It is recommended to empty the extinguisher by spraying it empty. The extinguishing agent can be poured into the sewage system in accordance to official regulations. The emptied system can be fed into the trash. Systems that have not been emptied ought to be disposed of in accordance to official regulations.

### 13.2 Packagings which are not cleaned:

Recommendation: Disposal in accordance with the regulatory requirements.

## 14. Transport information

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

Customs tariff number: 84241000

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

## 15. Regulations xxx

15.1 *Labelling according to Ordinance on Hazardous Substances/EC (Directive 1999/45/EC):* no requiring of labeling

15.2 *Classification according to VbF:* not applicable

15.3 *S-Phrases*

S 02	Keep out of the reach of children.
S 26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S 28	After contact with skin wash immediately with plenty of water.
S 36	Wear suitable protective clothing.
S 45	In case of accident or if you feel ill seek immediate medical attention.

## 16. Further information

The information is based on the current state of our knowledge and intended to describe the product with regard to the safety precautions to be taken. It does not constitute a warranty of any specific properties of the product described. 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.