

MATERIAL SAFETY DATA SHEET according to 1907/2006/EG, article 31

Product use: Fire extinguishing spray FireEx 600 (Organic gel-foam)

added: 02.09.2019
version: 1

revised: 20.10.2019
print date: 30.10.2019

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1.1 Product and company identification

1.2 Product details

Trade name: FireEx PRO

1.3 Manufacturer / Supplier
Prevent Tec Slovenija
1.2.1 **Manufacturer / Supplier:** Trubarjeva ulica 55a
3000 Celje
Slovenija

1.2.2 **Information refer:** +386 (0) 40 886 882

1.2.3 **Emergency information:** +386 (0) 40 886 882

2 Composition / information on ingredients:

2.1 **Chemical characterization:** Ready made extinguishing spray

2.1.1 **Description:** Organic salt, Thickener, Compressed gas, Foaming agent (Fluorosurfactant /AFFF free)
Drinkwater, Inhibitors

2.1.2 **Dangerous Ingredients:** none

2.1.3 CAS-Nr.	Designation according to EC directive	Content (%)	Code letter	R-Phrases
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2.1.4 **Additional information:** none

3 Additional hazards

3.1 Information concerning particular hazards for human and environment (possibly R-Phrases): none

4 First aid measures

4.1 General information: none

4.2 After inhalation: fresh air, consult doctor in case of symptoms

4.3 After contact with skin: generally not a skin irritant

4.4 After contact with eyes: rinse the open eyes with water, if necessary contact an ophthalmologist

4.5 After ingestion: consult doctor in case of symptoms

4.6 Note to doctors: none

5 Fire-fighting measures

5.1 extinguishing agent: Product is extinguishant

5.2 Inappropriate extinguishing agent: Product is extinguishant

5.3 Special hazards caused by the material, it's combustion products, resulting gases: CO₂ and H₂O

5.4 Special protective equipment for firefighters: Product is extinguishant

5.5 Additional information: none

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6 Accidental Release Measures

- 6.1 Personal precautions: *if necessary wear safety goggles*
- 6.2 Environmental measure: *avoid unintentional introduction into surface waters*
- 6.3 Method for receiving and cleaning: *collect, orderly disposal*
- 6.4 Additional information: *none*

7 Handling and storage

- 7.1 Handling
 - 7.1.1 Precautions for safe handling: *Keep container tightly closed*
 - 7.1.2 Precautions against fire and explosion: *not applicable*
 - 7.1.3 Specific use: *none*
- 7.2 Storage
 - 7.2.1 Requirements for storage rooms and containers: *only in original packaging and in original containers*
 - 7.2.2 Advice on storage: *none*
 - 7.2.3 for more information / instructions: *bearing temperature: -5°C up to +45°C*
 - 7.2.4 Storage class VCI LGK: *2B*

8 Exposure controls and personal protective equipment

- 8.1 Additional advice on technical system design: *no further information (see dot 7)*
- 8.2 Ingredients with occupational exposure limits to control parameters: *none*
 - 8.2.1 CAS-Nr. Designation Typ Value
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 - 8.2.2 Additional information: *no additional information*
- 8.3 Personal safety equipment
 - 8.3.1 Not specific. Precautions: *none*
 - 8.3.2 Respiratory protection: *not necessary*
 - 8.3.3 Hand protection: *Glove material: no special requirements*
 - 8.3.4 Eye protection: *protective goggles*
 - 8.3.5 Body protection: *protective clothing*
 - 8.3.6 Miscellaneous: *The usual precautionary measures for handling chemicals should be followed*
- 8.4 Exposure limits in the workplace specification: *not applicable* Value: *not applicable* and/or Biological parameters Ceiling Limit: *not applicable* Fetopathical: *not applicable*
 Occupational Exposure Limits (AGW) Germany
 Working place Limits of EU Specification: *not applicable* Short time value (STEL): *not applicable*
 Long time value (8 hTWA): *not applicable* Hint „skin“: *not applicable*

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9 Physical and technical characteristics

9.1	Appearance	
	9.1.1 Form:	aerosol / gel
	9.1.2 Colour:	brown-beige
	9.1.3 Smell:	light lemon-bergamont scent
9.2	Safety data	
	9.2.1 Change in condition:	
	9.2.1.1 Melting point:	<i>not applicable</i>
	9.2.1.2 Boiling point:	<i>not applicable</i>
	9.2.2 Flash Point:	<i>omitted – gelatinous, watery fluid</i>
	9.2.3 Ignition temperature:	240°C
	9.2.4 Self ignitability:	<i>none</i>
	9.2.5 Fire promoting properties:	<i>none</i>
	9.2.6 Risk of explosion:	<i>none</i>
	9.2.7 Explosion limits:	<i>not applicable</i>
	9.2.8 Vapor pressure:	<i>not applicable</i>
	9.2.9 Density:	1.200,00 g/Liter at 20°C (active substance)
	9.2.10 Solubility in water:	<i>about 98 % slightly soluble</i>
	9.2.11 pH-value:	7,5 +/- 1,0
	9.2.12 partition coefficient n-Octanol/water:	<i>unknown</i>
	9.2.13 Viscosity (Brookfield):	<i>not applicable</i>
	9.2.14 Solvent-separation test:	<i>not applicable</i>
9.3	Additional information:	<i>none</i>

10 Stability and reactivity

Conditions to be avoid:	<i>not applicable</i>
Materials to avoid:	<i>not applicable</i>
Dangerous decomposition products:	<i>none - only CO₂ und H₂O</i>

11 Toxicological information

Acute oral toxicity (LD 50) > 6000 mg/kg	<i>(rat)</i>
Non-irritating skin compatibility	<i>(rabbit eye) Membrane</i>
compatibility not irritating	<i>(rabbit)</i>
Experience in practice:	<i>see above</i>
Information on ingredients:	<i>see above</i>

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12 Environmental information

Ecotoxicity:

Fish toxicity: _____ Aquatic, See opinion / review of the Hygiene
Instituts Gelsenkirchen, invertebrates: _____

Aquatic plants: _____

Mobility / persistence and degradability: *about 98% soluble, CSB 425 mg O₂ /g, according to the criteria
of OECD the org. Salts are slight biologically degradable.*

Bioaccumulation potential: *see above*

Result of the PBT properties: *not applicable*

Other harmful effects: *not applicable*

13 Disposal instructions

Substance / preparation: recommendation *Recycling, landfill / incinerator to dispose of fire debris*

Waste code according to Waste Catalogue (AVV) packaging and contaminated packaging

Waste key: 16 05 04 gases in pressure containers (including halons) containing dangerous substances

Recommendation: Dispose according to local, state and government regulations.

Disposal of contaminated packing:

15 01 04 Metallic packaging

15 01 01 Paper and cardboard packing

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14 Transport Information:

14.1 land transport ADR/RID and GGVSE: **not Dangerous in the meaning of Regulation,**

14.2 Inland water transport ADN/ADNR:

14.2.1 **Class Number / Letter:** 5A

14.2.2 **Category:** ----

14.2.3 **Description of goods:** Aerosol, non-flammable

14.2.4 **Remarks:** none

14.3 Maritime transport IMDG/GGVSee:

14.3.1 **Class / UN-Nr.:** 2.2 / 1950

14.3.2 **Packing Group:** ---

14.3.3 **EMS-Nr.:** F-D; S-U

14.3.4 **Marine pollutant:** no

14.3.5 **Proper shipping name:** Aerosol, non-flammable

14.3.6 **Remarks:** none

14.4 Aircargo ICAO-TI and IATA-DGR:

14.4.1 **Class / UN-Nr.** 2.2 / 1950

14.4.2 **Packing Group:** ---

14.4.3 **Proper shipping name:** Aerosol, non-flammable

14.4.4 **Remarks:** Limited quantities LQ2

The product must be in accordance with national and / or international regulations for the transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

15 Legislation

Chemical Safety Assessment:

WGK = 1 (self-assessment)

Labeling according to EG: Code letter/s and Hazard Identification/s of the product: 2.2 / 1950

Ingredients for labeling:

not applicable, **contains:** not applicable

R- Phrases: not applicable

S-Phrases: not applicable

EU- regulations: not applicable **national regulations:** not applicable

Water hazard class:

WGK = 1 (self-assessment)

Technical Guide air (TA-air):

not applicable

Hazardous incident ordinance (12. BImSchV):

not applicable

Solvents directive (31. BImSchV):

not applicable

Employment restrictions:

not applicable

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16 Other Disclosures**Applicable EEC directives:** *not applicable*

The manufacturers recommended use restriction

Other Disclosures: **Spilled chemical causes slippery!**

The information in this safety data sheet is accurate to the best knowledge and complies with national and EU legislation. The working conditions of the user are beyond our knowledge and control. The product may be supplied without the written permission for other purposes than those specified under section 1. The user is responsible for compliance with all relevant legal requirements. The information in this safety data sheet describes the safety requirements of our product; we should therefore not guarantee or assurance of properties. The information refers to the product in its status as delivered. This safety data sheet was prepared with the help of a computer program. In case of missing entries in the sections 2, 3, 8, 9, 11, 14, 15 and 16, the product contains no ingredients to be specified or to be named on the label. The user is required to perform a pre-test on the suitability. We point out that for any damage due to improper handling by using **FireEx** no liabilities will be assumed, nor for any consequential damage resulting.