

## Safety Data Sheet

### FOMTEC FP 3%

Revision Date 7/11/18

Status ISSUED BY: Fire Protection Technologies

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product name:** Fomtec FP 3%  
**Article no:** 13-3006-XX

**Importer / Supplier:** Fire Protection Technologies  
**Address** Unit 1/251 Ferntree Gully Road  
 Mt Waverley, Victoria, 3149 Australia.

**Telephone Number** 1300 742 296  
**Emergency Telephone No.** 24 hours 1300 742 296  
**Emergency Services** Dial 000

**SDS Preparer** Fire Protection Technologies

**Manufacturer:** Dafo Fomtec AB  
 Garnisonsg. 47 A, Helsingborg  
 Box 683  
 S-13526  
 Tyreso  
 Sweden

+46 850640500  
[info@fomtec.com](mailto:info@fomtec.com)  
[www.fomtec.com](http://www.fomtec.com)

#### 2. HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

##### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Eye Irrit. 2; H319  
 Skin Irrit. 2; H315  
 Aquatic Chronic 3; H412

##### 2.2. Label elements

##### Hazard pictograms (CLP)



Composition on the label

inc chloride 0,1 -0,9 %, 2-Methylpropan-1-ol 0,5 -0,9 %

Signal word

Warning

Hazard statements

H315 Causes skin irritation. H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice /attention. P337+P313 If eye irritation persists: Get medical advice / attention.

### 2.3. Other hazards

PBT / vPvB

The product does not meet the criteria for PBT (persistent / bioaccumulative /toxic) or vPvB (very persistent / very bioaccumulative).

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Substance	Identification	Classification	Contents
Zinc chloride	CAS No.: 7646-85-7 EC No.: 231-592-0 Index No.: 030-003-00-2 REACH Reg. No.: 01-2119472431-44	Acute tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400; M-factor 1 Aquatic Chronic 1; H410; M-factor 1	0,1 -0,9 %
2-Methylpentane-2,4-diol	CAS No.: 107-41-5 EC No.: 203-489-0 Index No.: 603-053-00-3 REACH Reg. No.: 01-2119539582-35	Eye Irrit. 2; H319 Skin Irrit. 2; H315	1 -2,9 %
2-Methylpropan-1-ol	CAS No.: 78-83-1 EC No.: 201-148-0 Index No.: 603-108-00-1 REACH Reg. No.: 01-2119484609-23	Flam. Liq. 3; H226 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336	0,5 -0,9 %

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

General	Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing and launder thoroughly before re-use. Wash skin thoroughly with soap and water for several minutes. Get medical attention if any discomfort continues.
Eye contact	Immediately rinse with plenty of lukewarm water for at least 5 minutes. Remove any contact lenses and open eyelids widely. Contact physician if irritation persists.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.
Recommended personal protective equipment for first aid responders	No recommendation given.

### 4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	Irritating to skin. Causes eye irritation
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Treat Symptomatically.
Medical monitoring for delayed effects	No recommendation given.
Separate first aid equipment	No recommendation given.

### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media	This product is not flammable.
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#### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	None.
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#### 5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection.
Fire fighting procedures	Follow the general fire precautions indicated by the workplace.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with skin and eyes. Do not breathe vapour. For personal protection, see section 8.
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#### 6.2. Environmental precautions

Environmental precautionary measures	Prevent discharge of larger quantity to drain. Avoid discharge to the aquatic environment.
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#### 6.3. Methods and material for containment and cleaning up

Clean up	Absorb in vermiculite, dry sand or earth and place into containers. Further handling of waste – see section 13.
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#### 6.4. Reference to other sections

Additional information	See Sections 8 and 13 for information concerning protective equipment and waste treatment methods.
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### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapours. Wash hands before breaks and before smoking, eating or drinking. Wash hands and contaminated areas with water and soap after finished work. Container must be kept tightly closed.
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## 7.2. Conditions for safe storage, including any incompatibilities

Storage Keep cool in a well-ventilated space. Keep container tightly closed. Protect against direct sunlight.

## 7.3. Specific end use(s)

Specific use(s)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
Zinc chloride	CAS No.: 7646-85-7	<b>OEL short term value</b> Value 2 mg/m <sup>3</sup>	
2-Methylpentane-2,4-diol	CAS No.: 107-41-5	TWA (8h) : 25 ppm TWA (8h) : 123 mg/m <sup>3</sup> <b>OEL short term value</b> Value: 123 mg/m <sup>3</sup>	TWA Year 2011
2-Methylpropan-1-ol	CAS No.: 78-83-1	TWA (8h) : 50 ppm TWA (8h) : 154 mg/m <sup>3</sup> <b>OEL short term value</b> Value: 75 ppm <b>OEL short term value</b> Value: 231 mg/m <sup>3</sup>	

### 8.2. Exposure controls

#### Safety signs



#### Precautionary measures to prevent exposure

Appropriate engineering controls An eye wash bottle must be available at the work site.

#### Eye / face protection

Suitable eye protection Wear tight fitting safety glasses or face shield.

#### Hand protection

Skin- / hand protection, long term contact Use full length gloves

Suitable materials Butyl Rubber

#### Skin protection

Suitable protective clothing Use protective clothes in order to avoid skin contact.

#### Respiratory protection

Respiratory protection necessary at In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

#### Hygiene / environmental

Specific hygiene measures No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	Dark coloured liquid.
Colour	Dar brown. Clear
Odour	Characteristics
Odour limit	Comments: No information.
pH	Status: In delivery state Value: 6,0 - 8,0
Melting point / melting range	Comments: No information.
Freezing point	Value: ~-15 °C
Boiling point / boiling range	Value: > 100 °C
Flash point	Value: > 100 °C
Explosion Limit	Comments: Product is not explosive
Vapour pressure	Value: <1
Solubility	Comments: Soluble in water.
Partition coefficient: n-octanol/water	Comments: No information.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: No information.
Viscosity	Value: < 12 cSt

### 9.2. Other information

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity Stable product under normal conditions of handling and storage.

### 10.2 Chemical stability

Stability Stable product under normal conditions of handling and storage.

### 10.3 Possibility of hazardous reactions

Possibility of hazardous reactions Stable product under normal conditions of handling and storage

### 10.4 Conditions to avoid

Conditions to avoid Not known under normal conditions of handling and storage.

### 10.5 Incompatible materials

Materials to avoid Alkali earth metals

### 10.6 Hazardous decomposition products

Hazardous Decomposition products Thermal decomposition or combustion may liberate carbon oxides and other products

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Substance	Zinc Chloride
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> = 350 mg/kg bw  <b>Animal test species:</b> Rat  <b>Test reference:</b> OECD 401</p>
Substance	2-Methylpentane-2,4-diol
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> = 3700 mg/kg bw  <b>Animal test species:</b> Rat  <b>Comments:</b> Non-acute toxic.</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> = 7920 mg/kg bw  <b>Animal test species:</b> Rabbit  <b>Comments:</b> Non-acute toxic.</p>
Substance	Methylpropan-1-ol
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Duration:</b> 4h  <b>Value:</b> &gt; 24 mg/l  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> = 3700 mg/kg bw  <b>Animal test species:</b> Rat  <b>Comments:</b> Non-acute toxic.</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> ~ 17800 mg/kg  <b>Animal test species:</b> Rat</p>
<b>Other information regarding health hazards</b>	
Inhalation	May cause milk irritation of respiratory systems.
Skin contact	Irritation to skin
Eye contact	Causes serious eye irritation.
Ingestion	In case of ingestion may cause nausea, vomiting, dizziness, confusion, loss of consciousness.
Sensitisation	No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Carcinogenicity, other information	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.

### Symptoms of exposure

In case of ingestion	Ingestion of large quantities may cause nausea, vomiting, dizziness, confusion, loss of consciousness.
In case of skin contact	Irritation is possible in case of prolonged contact with skin.
In case of eye contact	Irritation of eyes and mucous membrane.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Acute aquatic, fish	Value: > 1000 mg/l Test duration: 96 hrs Species: Leuciscus Idus
Substance Acute aquatic, fish	Zinc chloride <b>Toxicity type:</b> Acute <b>Value:</b> = 0.9 mg/l <b>Effect dose concentration :</b> LC50 <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Salmo salar <b>Comments:</b> Not hazardous for environment.
Substance Acute aquatic, fish	2-Methylpentane-2.4-dioll <b>Toxicity type:</b> Acute <b>Value:</b> = 8510 mg/l <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Gambusia affinis <b>Comments:</b> Not hazardous for environment.
Substance Acute aquatic, algae	2-Methylpropan-1 ol <b>Toxicity type:</b> Acute <b>Value:</b> = 290 mg/l <b>Effect dose concentration :</b> IC50 <b>Exposure time:</b> 72 hour(s) <b>Comments:</b> Not hazardous for environment.
Substance Acute aquatic, Daphnia	Zinc chloride <b>Toxicity type:</b> Acute <b>Value:</b> = 0,329 mg/l <b>Effect dose concentration :</b> EC50 <b>Exposure time:</b> 48 hour(s) <b>Species:</b> D. magna <b>Comments:</b> Very toxic to aquatic life.
Substance Acute aquatic, Daphnia	2-Methylpentane-2,4-diol <b>Toxicity type:</b> Acute <b>Value:</b> = 2800 mg/kg <b>Exposure time:</b> 48 hour(s) <b>Species:</b> Ceriodaphnia sp. <b>Comments:</b> Not hazardous for environment.
Substance Acute aquatic, Daphnia	2-Methylpropan-1 ol <b>Toxicity type:</b> Acute <b>Value:</b> = 1030 mg/l <b>Effect dose concentration:</b> EC50 <b>Test duration:</b> 48 hrs <b>Species:</b> D. magna <b>Comments:</b> Not hazardous for environment

### 12.2. Persistence and degradability

Biodegradability	Value: > 90 Method: OECD 301A Test period: 28 days
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Substance	2-Methylpentane-2,4-diol
Biodegradability	<b>Value:</b> = 0,02 <b>Method:</b> BOD5/COD
Substance	2-Methylpropan-1-ol
Biodegradability	<b>Value:</b> = 99 % <b>Method:</b> OECD 301A degradation in 14 days <b>Comments:</b> Readily biodegradable.
Persistence and degradability, comments	The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
Substance	Zinc chloride
Bioconcentration factor (BCF)	<b>Value:</b> = 2000 <b>Comments:</b> Risk of bioaccumulation.
Substance	2-Methylpentane-2,4-diol
Bioconcentration factor (BCF)	<b>Value:</b> < 10 <b>Comments:</b> No bioaccumulation expected.

### 12.4. Mobility in soil

Mobility	The product contains substances, which are water soluble and may spread in water systems.
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### 12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
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### 12.6. Other adverse effects

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of waste and residues in accordance with local authority requirements.
EWC waste code	EWC waste code: 160305 organic wastes containing dangerous substances Classified as hazardous waste: Yes
EU Regulations	Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives. Annex III to Directive 2008/98/EC.

## 14. TRANSPORT INFORMATION

Dangerous goods	No
<b>14.1. UN number</b>	
Comments	Not applicable. No information required.
<b>14.2. UN proper shipping name</b>	
Comments	Not applicable. No information required.
<b>14.3. Transport hazard class(es)</b>	
Comments	Not applicable. No information required.
<b>14.4. Packing group</b>	
Comments	Not applicable. No information required.
<b>14.5. Environmental hazards</b>	
Comments	Not applicable. No information required.
<b>14.6. Special precautions for user</b>	
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	



## 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

EEC-directive	Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC. Commission Directive 2012/45/EU adapting for the second time the Annexes to Directive 2008/68/EC of the European Parliament and of the Council on the inland transport of dangerous goods to scientific and technical progress.
Legislation and regulations	Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

### 15.2. Chemical safety assessment

Chemical safety assessment performed Yes

## 16. OTHER INFORMATION

List of relevant H-phrases (Section 2 and 3)

H226 Flammable liquid and vapour. H302 Harmful ifswallowed. H314 Causes severe skin burns and eye damage. H315 Causes skinirritation. H318 Causes Serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]

Additional information

H319 Skin Irrit.  
2; H315  
Aquatic Chronic 3; H412

Emergency Phone No

\*Europe (English, Dutch, French, German, Italian, Spanish) +44 1273 289451 France (English, French) +33 1 72 11 00 03

Germany (English, German) +49 69 222 25285

Spain (English, Spanish) +34 91 114 2520

Italy (English, Italian) +39 02 3604 2884

Netherlands (English, Dutch) +31 10 713 8195

\*Middle East (English, Arabic) +44 1273 289454

United States (English, French, Spanish) +1 866 928 0789



Canada (English, French) +1 800 579 7421  
United States and Canada (English) +1 202 464 2554  
Mexico (English, Spanish) +52 55 5004 8763  
Brazil (Portuguese, Spanish, English) +55 11 3197 5891  
Chile (English, Spanish) +56 2 2582 9336  
Colombia (English, Spanish) +57 1 508 7337  
Argentina (English, Spanish) +54 11 5984 3690  
\*East/South East Asia (English, Bahasa Malaysia, Hindi, Japanese,  
Korean, Mandarin, Tagalog) +65 3158 1412  
China (English, Mandarin) +86 512 8090 3042  
China (Mainland) (English, Mandarin) \*\*+86 532 8388 9090  
Japan (English, Japanese) +81 3 4578 9341  
Malaysia (English, Malaysian) +60 3 6207 4347  
India (English, Hindi) 000 800 100 7479  
Philippines (English, Tagalog) +63 2 231 2149  
South Korea (English, Korean) +82 2 3479 8401  
Australia (English) +61 2 8014 4558  
Australia (English) 18000 74234  
New Zealand (English) +64 9 929 1483  
New Zealand (English) 0800 446 881

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