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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product name:** Extinguishant -35  
**Product type:** Fire suppression liquid  
**Manufacturer:** Fogmaker International AB  
**Postal address:** Box 8005, SE-350 08 Växjö, SWEDEN  
**Telephone:** +46 470-77 22 00  
**Fax:** +46 470 77 22 10  
**Emergency:** +46 470-77 22 00

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**2. HAZARDS IDENTIFICATION**

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This mixture is classified as not hazardous according to 1999/45/EC.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>Component</b>	<b>CAS</b>	<b>Conc. %</b>	<b>Classification (67/548/EEC)</b>	<b>Classification (EC No. 1272/2008)</b>
Potassium Acetate	127-08-2	15-80	None	None
Potassium Formate	590-29-4	15-80	None	None
1,2-Ethandiol	107-21-1	<0.5	Xn; R22	Acute Tox 4. H302-H373.8
2-(2-Butoxyethoxy)ethanol	112-34-5	<0.5	Xi; R36	Eye Irrit. 2 H319
Alkylamidobetaine	147170-44-3	<0.5	Xi; R36	Eye Dam. 1 H318

Specification of classification mentioned above:

Xn=Harmful

Xi=Irritant

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**4. FIRST AID MEASURES**

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**Eye Contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Get medical attention if any discomfort continues.

**Skin Contact:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Inhalation:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion:** Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

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## 5. FIRE-FIGHTING MEASURES

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The product itself does not burn.

**Suitable extinguishing media:** Coordinate fire-fighting measures to the fire surroundings.

**Fire fighting instructions:** Wear self-contained breathing apparatus and protective suit.

**Other:** Evacuate personnel to safe areas.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Safeguards (personnel):** Use personal protective equipment.

**Environmental precautions:** None

**Spill cleanup:** Flush with plenty of water.

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## 7. HANDLING AND STORAGE

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**Handling:** Do not eat, drink or smoke during work. Remove contaminated clothing immediately and wash before reuse. Avoid spilling, skin and eye contact. Wash your hands and/or face before breaks and at the end of the day.

**Fire and explosion protection:** None

**Storage:** Avoid extreme temperatures, especially frost and freezing. Storage temperature should be between 5°C and 30°C. Keep only in original packaging. Keep container dry. Store in a cool dry place with adequate ventilation.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

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**Engineering measures:** Provide adequate ventilation.

**Hand protection:** Wear plastic gloves.

**Eye protection:** Wear safety goggles in case of splash.

**Protective Clothing:**                      Use appropriate clothing.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Form:**    Liquid  
**pH:**    8-9  
**Water solubility:**                              Soluble  
**Boiling point:**                                Ca. 109°C  
**Melting Point:**                                -35°C  
**Electrolytic conductivity:**                160 mS/cm at 25°C

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## **10. STABILITY AND REACTIVITY**

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**Stability:**                                        Stable under normal temperature conditions.

**Materials to avoid:**                            Not suitable materials are galvanized steel, zinc and soft solder.

**Hazardous decomposition products:**    Not applicable under normal conditions.

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## **11. TOXICOLOGICAL INFORMATION**

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**LD50 oral rat:**                                The product is not toxic. LD50 oral rat > 5000mg/kg.

**Ingestion:**                                      The product has a bitter taste, which gives a warning if the product is digested by mistake.

**Skin irritation:**                                A prolonged contact to skin may give redness or skin chaps.

**Eye irritation:**                                Unlikely to cause other than temporary redness on accidental contact.

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## **12. ECOLOGICAL INFORMATION**

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**Eko-toxicity:**                                    LC50 96h, OECD TG203  
(Rainbow Trout, *Oncorhynchus mykiss*)  
13900 mg/l and is not classified as acute aquatic toxic.

**Persistence/Degradability:**                The product is not regarded as being toxic to the environment. The components are easily biodegradable, DOC (OECD 301A): 99% after 28 days.

**Bio-accumulation:** Not bio-accumulating. Most of the components act as fertilizers and enter in to the biological circulation and do not accumulate in any micro organisms, plants or other living species.

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## 13. DISPOSAL CONSIDERATIONS

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**Product:** Dispose of waste and residues in accordance with local authority requirements.

**Contaminated packaging:** Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

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Not classified as dangerous goods in the meaning of transport regulations.

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## 15. REGULATORY INFORMATION

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The product is not classified.

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## 16. OTHER INFORMATION

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### Relevant R-, H- and EUH-phrases (Number and full text)

R22	Harmful if swallowed.
R36	Irritating to eyes.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373.8	May cause damage to kidneys through prolonged or repeated exposure if swallowed.

### Further Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.