

## Safety Data Sheet

# FSI-FlameOut

## 1. Identification

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**GHS product identifier**

FSI-FlameOut

**Company name**

Flame Security International

**Address**

University of NSW, Building J17, Level 1  
Kensington 2052 Australia

**Telephone number**

1300 479 582 (Australia)  
+46 705 542 540 (Sweden)

**Emergency telephone number**

Australian Poisons Information Centre: 131 126.  
Swedish Poisons Information Centre: 112 (Emergency only). For general questions: 010-456 6700.

**Recommended use of the chemical and restrictions on use**

Fire extinguishing liquid for use in Class A, Class B and Class F foam fire extinguishers. The formulated product contains no PFAS or any fluorinated chemical.

## 2. Hazard identification

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**GHS classification of the substance/mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (Edition 7.6)

### 3. Composition / information on ingredients

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Name	CAS number	Percentage
Diethylene glycol butyl ether	112-34-5	< 1%
Preservative		<0.5%
Surfactants (trade secret)		0.5 – 2%
Ingredients determined to be non-hazardous (including water)		Balance

### 4. First-aid measures

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#### Eye contact

Hold eyelids open and irrigate with flowing water for AT LEAST 15 minutes. Remove contact lenses. If symptoms develop and/or persist seek medical attention.

#### Inhalation

Move to fresh air. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention. If not breathing, give artificial respiration.

#### Skin contact

Wash off with plenty of water. If symptoms develop and/or persist seek medical attention.

#### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

#### Advice for medical professionals

Treat symptomatically. Show this safety data sheet to the medical professional in attendance.

### 5. Fire-fighting measures

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#### Suitable extinguishing media

Non-combustible material. Product is a fire-extinguishing agent.

#### Specific hazards

May evolve oxides of carbon, potassium and nitrogen when heated to decomposition.

#### Fire-fighting procedures

Wear full protective equipment (Turnout Gear) and a self-contained breathing apparatus.

### 6. Accidental release measures

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### Spillage

Wear appropriate PPE (see section 8) to prevent contact with skin and eyes. Contain the spill and cover with inert inorganic absorbent material. Collect material and place in suitable labelled containers. Dispose of waste containers in accordance with local, state and national regulations. Clean up residue with water. Caution: surfaces may be slippery.

## 7. Handling and storage

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### Storage

Store out of direct sunlight in a cool, dry well-ventilated area away from foodstuffs and out of reach of children. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

### Handling

Avoid contact with skin and eyes. Wear PPE as detailed in section 8. Avoid eating, smoking or drinking in work area. Wash hands after use. Remove contaminated clothing and PPE before entering eating areas.

## 8. Exposure controls and personal protection

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### Exposure standards

None assigned by Worksafe Australia.

### Engineering controls

Use only in well-ventilated areas. Avoid prolonged or repeated skin exposure. Avoid contact with eyes.

### Personal protective equipment (PPE)

Safety glasses or goggles meeting the requirements of AS 1336 and AS1337. Gloves made of Neoprene or nitrile rubber meeting the requirements of AS 2161. Covered shoes.

## 9. Physical and chemical properties

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Property	Description	Property	Description
Appearance	Clear to cloudy liquid	Odour	Mild
pH	9.5	Relative density	1.2 g/mL
Boiling point	100°C (approximate)	Freezing point	- 43°C (approximate)
Viscosity	104 mPa.s at shear rate of 1.92 1/s	Decomposition temperature	Not available
Flash point	Non-combustible	Auto-ignition temperature	Non-combustible

Upper/lower flammability limit	Non-combustible	Partition coefficient: n-octanol/water	Not available
Solubility (water)	Miscible	Evaporation rate	Not available
Vapour density	Not available	Vapour pressure	Not available

## 10. Stability and reactivity

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### Reactivity

Hazardous polymerisation will not occur.

### Chemical stability

Colour will fade on exposure to sunlight. Otherwise stable.

### Conditions to avoid

Strong sunlight and extreme heat.

### Hazardous decomposition products

Oxides of carbon, nitrogen and potassium.

## 11. Toxicological information

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### Eye

Irritant. Direct contact may result in irritation, lacrimation and conjunctivitis.

### Inhalation

Low to moderate irritant. Overexposure to mists or vapours may cause irritation of respiratory tract.

### Skin

Irritant. Prolonged or repeated contact may result in drying, rash and dermatitis.

### Ingestion

Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.

## 12. Ecological information

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No ecological information is available for this product. Surfactants can be toxic to aquatic organisms due to their surface-active properties so entry of product into waterways should be avoided.

## 13. Disposal considerations

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Containers should be emptied as completely as practical before disposal. If possible, containers should be recycled.

Unused product should be collected by a licenced disposal company in accordance with local, state and national regulations.

## 14. Transport information

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### **Land transport (ADG)**

Not regulated for transport of dangerous goods.

### **Air transport (ICAO-IATA / DGR)**

Not regulated for transport of dangerous goods.

### **Sea transport (IMDG-Code / GGVSee)**

Not regulated for transport of dangerous goods.

### **Transport in bulk according to Annex II of MARPOL and the IBC code**

Not applicable.

## 15. Regulatory information

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### **Standards for the Uniform Scheduling of Poisons (SUSMP)**

Not classified as a Scheduled Poison according to SUSMP.

### **Australian Inventory of Chemical Substances (AICS)**

All components are listed on AICS.

## 16. Any other relevant information

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### **Date of preparation**

March 2020. Last revised September 2021 v2.

This Safety Data Sheet (SDS) provides key information to facilitate the safe handling of the product, particularly in the workplace. This information is compiled according to the SDS Guidelines of Safe Work Australia and is aligned with The European Chemicals Agency Guidelines (ECHA). All information is accurate at the updated date shown on the document. While every care is taken to provide accurate handling information, Flame Security International Pty Ltd cannot control the conditions under which the product is used and so cannot take responsibility for any damages of any nature resulting from its use. Always read the safety information before handling any product.