



## SAFETY DATA SHEET: FIREBLOCK FIRE EXTINGUISHING GEL FOAM 800ML

**SECTION 1: Identification****1.1 Material Identification**

Fireblock Extinguishing Gel Foam 800ml (Aerosol)

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Extinguishing lithium-ion battery fires

Extinguish A-Class fires

Extinguish B-Class fires

Extinguish C-Class fires

Extinguish F-Class fires

**1.3 Details of the supplier of the safety data sheet**

Fireblock (Pty) Ltd

352 Larsen Drive, Muldersdrift, Gauteng, South Africa, 1746

+27 (0) 11 957 5010

**1.4 Emergency telephone number**

+27 (0) 11 957 5010 (08.30 – 16.30)

**SECTION 2: Hazard(s) identification****2.1 Classification of the substance or mixture**

**Classification according to CPL regulations (EC) NO 1272/2008**

Eye irritation – H319

Skin irritation – H315

Gases under pressure – H280

**2.2 Label elements**

Signal Word: WARNING

**Hazard statement(s)**

Contains gas under pressure; may explode if heated - H280

Eye irritation – H319

**Precautionary statement(s)**

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting.

P337 + P313: If eye irritation persists: Get medical advice/attention

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table> The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006. The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission

### SECTION 3: Composition/information on ingredient

#### 3.1 Substance

Not applicable

#### 3.2 Mixture

Name	CAS	EC No.	%	Hazard Statement(s)
Nitrogen (N <sub>2</sub> ) Gas Propellant	7727-37-9	231-783-9	100 %	H280 Gas under pressure
Potassium Polyacrylate (C <sub>3</sub> H <sub>3</sub> KO <sub>2</sub> ) <sub>n</sub>	25608-12-2	607-755-0	<1%	H319 - Eye irritation
Brilliant Blue	3844-45-9	223-339-8	<1%	
Tartrazine Yellow	1934-21-0	217-699-5	<1%	
Water (H <sub>2</sub> O)	7732-18-5	231-791-2	$\geq 90\%$	
2-(2-Butoxyethoxy)Ethanol	112-34-5	203-961-6	<1%	H319 - Eye irritation
Alkylbetaine			<1%	H318, H412
	112-53-8	203-982-0	<1%	H319, H411, H400

#### Specific concentration limits:

Name	Specific concentration limits	ATE
Alkylbetaine	Eye Dam. 1: H318 C $\geq$ 10.1% Eye Irrit. 2: H319 4% $\leq$ C $\leq$ 10.1%	H280 Gas under pressure

### SECTION 4: First aid measures

#### 4.1 Description of First Aid Measures

##### Inhalation

Remove the individual to fresh air

If exposed or concerned: Get medical advice/attention

##### Skin

Wash the affected area with soap and water. May cause dry skin. Repeated contact may also cause slight irritation

If irritation persists, seek medical attention

If exposed or concerned: Get medical advice/attention

**Eye**

Flush with copious amounts of water

Eyelids may become sticky

If exposed or concern: Get medical advice/attention

**Ingestion**

If swallowed drink large amounts of water

Seek medical attention if significant quantities have been ingested

If exposed or concern: Get medical advice/attention

**4.2 Most important symptoms and effects, both acute and delayed**

No significant hazard

**4.3 Indication of any immediate medical attention and special treatment needed**

Seek medical attention if irritation or symptoms persist

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Fireblock Extinguishing Gel Foam (Medium) is not flammable

**5.2 Special hazards arising from the substance or mixture**

Contents under pressure - cylinders can explode in a fire

Explosion Data – Not explosive

Flammability – Not flammable

**5.3 Advice for firefighters**

Water spray may be used to cool down heat-exposed containers

This product should be prevented from entering drains and watercourses

The surface will be very slippery

Self-contained breathing apparatus and full protective clothing must be worn in case of fire

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Steps to be taken if material is spilled or released – Sweep up or flush with water or diluted salt solution CAUTION – the surface becomes very slippery when wet

**6.2 Environmental precautions**

Do not allow product to enter drains.

**6.3 Methods and material for containment and cleaning up**

Absorb with inert, absorbent material to contain spill

Transfer to suitable, labelled container for disposal

Clean spillage area thoroughly with water

Do not allow product to enter drains, waterways, or sewers

Dispose of waste according to the applicable local and national regulations  
If contamination of sewers or waterways occurs, inform the local water and waste management authorities, in accordance with local regulations  
Clean preferably with a detergent, do not use solvents.

#### **6.4 Reference to other sections**

No additional information available

### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Safe to handle. Material is very slippery. Avoid repeated contact with skin

#### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry place. Keep the container closed when not in use. Protect from sunlight  
Keep out of reach of children  
Store at a temperature between 5 °C to 50 °C.

Unsuitable packing material:

Aluminium

Mild Steel

#### **7.3 Specific end use(s)**

No additional information is available

### **SECTION 8: Exposure controls/personal protection**

#### **8.1 Control parameters**

No additional information is available

#### **8.2 Exposure controls**

##### **Hand protection**

Wear rubber gloves when handling for prolonged periods  
If exposed or concerned: Get medical advice/attention

##### **Eye/Face protection**

Approved safety goggles, and glasses. Avoid contact with eyes, nose, and mouth  
If exposed or concerned: Get medical advice/attention

##### **Body protection**

Suitable protective workwear, cotton overalls are recommended.  
If exposed or concern: Get medical advice/attention

##### **Other information**

Use good housekeeping practices

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State – Water Based Gel  
Appearance – Viscous + Gas under pressure ( Nitrogen gas)  
Colour - Green  
Odor - Odorless  
Odor threshold - Not available  
Boiling Point - 1500 °C  
Freezing point - 0 °C  
Solubility in water - Miscible  
Specific Gravity (H2O=1) - >1  
pH value – 6.5 – 7.5  
Vapor pressure - No data available  
Evaporation rate - No data available  
Flash point – Non-flammable product  
Flammability - Not flammable  
Freezing point - 0 °C

### 9.2 Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No additional information available

### 10.2 Chemical stability

The product is stable at normal handling and storage conditions  
Do not mix with other chemicals

### 10.3 Possibility of hazardous reactions

None known

### 10.4 Conditions to avoid

Protect from sunlight  
Protect from frost

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Not classified as hazardous to human health or the environment

#### Ingestion

May cause nausea and vomiting

If exposed or concern: Get medical advice/attention

#### **Skin**

May cause irritation on prolonged contact

If exposed or concern: Get medical advice/attention

#### **Eye**

May cause watering and redness

If exposed or concern: Get medical advice/attention

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

Mixtures

#### **12.2 Persistence and degradability**

Rapidly Biodegradable

#### **12.3 Bio accumulative potential**

No additional information available

#### **12.4 Mobility in soil**

No observed effect levels

#### **12.5 Other adverse effects**

No data available

### **SECTION 13: Disposal considerations**

#### **13.1 Waste Treatment Methods**

This product is a non-hazardous waste material suitable for approved solid waste landfills.

Collect spillage with a shovel and broom

Dissolving with salt and to be washed into a sandy area

Dispose of contents/container in accordance with local/regional/national/international regulations.

Do not discharge into drains or watercourses as it may cause a blockage

### **SECTION 14: Transport information**



#### **14.1 UN number**

1044

#### **14.2 Environmental hazards**

IMDG marine pollutant hazards - No

UN number (air transport, IATA) - Non-hazardous product / Not regulated

IATA symbol – Non-Flammable, Non-Toxic gas

Portable extinguisher (Aerosol Can) - (Contains Nitrogen gas)

#### **14.3 Special precautions for use**

Class 2.2

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health, and environmental regulations/legislation specific to the substance or mixture**

NATIONAL LEGISLATION: South African Occupational Health and Safety Act, Act 85 of 1993

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

#### **15.2 Chemical safety assessment**

Not classified as hazardous

Keep out of reach of children

Wear suitable gloves and eye protection

### **SECTION 16: Other information**

#### **Other information**

No additional information available

#### **SDS history**

Created – April 2025

#### **Reference**

Guidance on the compilation of Safety Data Sheets, amended by Regulation (EU) 2015/830.

## **Legal Disclaimer**

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