



## SAFETY DATA SHEET: FIREBLOCK FOREST

### SECTION 1: Identification

#### 1.1 Material Identification

Fireblock FOREST

#### 1.2 Chemical Identification

Acrylate Polymer (SAP)

#### 1.3 Relevant identified uses of the substance or mixture and uses advised against

Extinguish A-Class fires

Extinguish forest fires

#### 1.4 Details of the supplier of the safety data sheet

Fireblock CC

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

+27 (0) 11 957 5010

#### 1.5 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 – H320

Skin irritation – H316

#### 2.2 Label elements

Signal Word: WARNING

##### Hazard statement(s)

Eye irritation – H320

Skin irritation – H316

##### Precautionary statement(s)

P235 + P410 Keep cool. Protect from sunlight

P404 Store in a closed container

P411 Store at temperatures not exceeding 50°C / 122°F

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

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
 P102 Keep out of reach of children  
 P280 Wear protective gloves/protective clothing/eye protection  
 P308 + P313 If exposed or concern: Get medical advice/attention

### Information concerning particular hazards for humans and environment

Classified as low-risk hazard to human health  
 Not classified as hazardous to the environment

## SECTION 3: Composition/information on ingredient

### 3.1 Substance

Not applicable

### 3.2 Mixture

Name	CAS	EC No.	%	Hazard Statement(s)
Potassium Polyacrylate (C <sub>3</sub> H <sub>3</sub> KO <sub>2</sub> ) <sub>n</sub>	25608-12-2	607-755-0	<1%	
Silicon Dioxide (SiO <sub>2</sub> )	7631-86-9	231-545-4	<1%	
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	215-691-6	<1%	
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	215-168-2	<1%	
Magnesium Oxide (MgO)	1309-48-4	215-171-9	<1%	H319 Cause serious eye irritation
Calcium Oxide (CaO)	1305-78-8	215-138-9	<1%	H318 Cause serious eye damage H315 Cause skin irritation and H335 May cause respiratory irritation
Potassium Oxide (K <sub>2</sub> O)	12136-45-7	235-227-6	<1%	H314 Cause severe skin burns and eye damage
Titanium Dioxide (TiO <sub>2</sub> )	13463-67-7	236-675-5	<1%	
Lithium Oxide (Li <sub>2</sub> O)	12057-24-8	235-019-5	<1%	
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	99%	

## 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 Forest is not flammable

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

Explosion Data – Not explosive

Flammability – Not flammable

**5.3 Advice for firefighters**

This product should be prevented from entering drains and watercourses  
The surface will be very slippery

**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

**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

### 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  
Colour - Purple  
Odor - Odorless  
Odor threshold - Not available  
Boiling Point - 1500 °C  
Freezing point - 0 °C  
Solubility in water - Miscible

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

Non-Toxic

**12.2 Persistence and degradability**

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**

Non-hazardous product / Not regulated

IMDG UN no - Non-hazardous product / Not regulated

**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

**14.3 Special precautions for use**

No additional information is available

**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

## **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 2021

### **Reference**

OSHA, 29 CFR 1910.1200(g)

United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), third revised edition, United Nations, 2009.