



MATERIAL SAFETY DATA SHEET

FIREBLOCK LITHIUM

MATERIAL IDENTIFICATION

Product Name: FIREBLOCK LITHIUM
Product Use: Use for extinguish lithium battery fires.
Chemical Family: Acrylate Polymer
 Sodium Salt (SAP)

INGREDIENTS

Potassium Polyacrylate($C_3H_3KO_2$)_n
 Silicon Dioxide (SiO₂)
 Aluminium Oxide (Al₂O₃)
 Iron Oxide (Fe₂O₃)
 Magnesium Oxide (MgO)
 Calcium Oxide (CaO)
 Potassium Oxide (K₂O)
 Titanium Dioxide (TiO₂)
 Lithium Oxide (Li₂O)
 Water (H₂O)

HAZARDOUS IDENTIFICATION AND CAUTIONS

Not classified as hazardous to human health or the environment.

General Advice: Remove soaked clothing
Inhalation: Wear a mask if working with large scale quantities, as well as for dust/smoke inhalation.
Eye Contact: May cause watering and redness.
Skin Contact: May cause irritation on prolonged contact.
Ingestion: May cause nausea and vomiting.

FIRST AID MEASURES

Inhalation: Remove individual to fresh air.

Eye Contact: Flush with copious amounts water for at least 15 minutes. Eye lids may become sticky.
Skin Contact: Wash affected area with soap and water. May cause dry skin. Repeated contact may also cause slight irritation. If irritation persists seek medical attention.
Ingestion: If swallowed drink large amounts of water. Seek medical attention if significant quantities have been ingested.

FIREFIGHTING MEASURES

Explosion Data: Not explosive
Flammability: Not Flammable or combustible
Special Procedures: None
Flash-point: Non Flammable
Auto Ignition: Not applicable

ACCIDENTAL RELEASE MEASURES

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.

HANDLING AND STORAGE

Handling: Safe to handle. Material is very slippery. Avoid repeated contact to skin.
Storage: Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Precautions: Wear rubber gloves when handling for prolonged periods. Avoid contact with eyes, nose and mouth.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Water Base Gel
Appearance: Green Colour ranging from light to dark
Odour: Odourless
Vapour Pressure: Not available
Evaporation rate: Not available
Melting point (°C):
Boiling point (°C): 1500 Degrees Celsius
Freezing point (°C): 0 Degrees Celsius
% Volatile (by weight):
pH: 6.5-8.5
Specific Gravity:
Bulk Density:
Flash Point: Non-flammable product

STABILITY AND REACTIVITY

Stable in normal use conditions.
 Do not mix with any other chemicals products.

TOXICOLOGICAL INFORMATION

Refer to Hazard identification and caution section.

ECOLOGICAL INFORMATION

Low impact on the environment.
 Non Toxic
 Biodegradable

DISPOSAL CONSIDERATIONS

Can be disposed as a non-toxic and inactive material.
 Collect spillage with a shovel and broom, or similar and can be reused.
 Dissolving with salt and to be washed into a sandy area.
 Do not discharge into drains or watercourses as there is a risk of blockage.

TRANSPORT INFORMATION

Transport Required:

Land Transport: USDOT – Non-hazardous product
 Not Regulated
 Marine Transport: IMDG – Non-hazardous product
 Not Regulated
 Air Transport: IATA – Non-hazardous product
 Not Regulated

REGULATORY INFORMATION

Not classified
 Keep out of reach of children
 Wear suitable gloves and eye protection

OTHER INFORMATION

The information contained in the Material Safety Data Sheet relates only to the specific material designated and does not constitute and accrument of workplace risks.

It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use and staff should be trained to handle the products and be aware of the related dangers.

The information and recommendation contained above are based on data and measures believed to be accurate and correct.

FIREBLOCK does not assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Dated 09 April 2021



Signature:
 Louis Koekemoer