

# PYROFLOW

PASSIVE FIRE SUPPRESSION GRANULES

**FIRECHIEF®**  
making the world a safer place

Mineral-based fire suppression agent for  
metal fires and Lithium-ion batteries

MODEL:  
**PFP12 (12KG)**



COARSE GRANULATE: 1-4MM

- A mineral based suppressant granule that is non-toxic and eco-friendly
- Can be used as a thermally stable packaging filler when Lithium-ion batteries are present
- Will smother, suppress and encapsulate Lithium-ion batteries in the event of thermal runaway
- Effectively binds liquids and filters gases



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## PASSIVE FIRE SUPPRESSION GRANULES

### Mineral-based fire suppression agent for metal fires and Lithium-ion batteries

Firechief PyroFlow is a new and environmentally friendly suppression agent made from expanded glass granulate. It can be used for preventative fire protection and fire fighting where Lithium-ion batteries are present. The small, lightweight spheres consist of foamed recycled glass containing tiny internal pores, forming a partially closed cell structure. Since the granulate is 100 % mineral based, it is non-combustible.

### How does Firechief PyroFlow work?

By using Firechief PyroFlow as a packaging media, in the event of a battery fire Firechief PyroFlow melts to form glass, caused by the high temperatures as released by such an incident. In the process, the granules absorb a lot of heat as they melt, thus cooling the fire, and at the same time forming an impermeable shell around the fire load encapsulating it from further reaction.

#### USER GUIDE FOR TRANSPORT & STORAGE APPLICATIONS

- Ideal for use as a packaging media as part of a fire risk mitigation strategy to delay the spread of Lithium-ion battery fires
- Recommended for use with fireproof or specialist containers
- Position batteries and/or battery devices centrally to ensure a sufficient layer of Pyroflow granules on all sides
- Consider placing new or in-life batteries within a sealed container prior to immersion in granules to prevent dust ingress or surface scratching
- Where batteries and/or devices are packaged in combustible materials, a sufficiently thick layer of granules should be used to provide adequate material around any secondary packaging
- In the event of fire, contact the emergency services and do not approach or open containers, as projectiles may form during release of extreme heat

#### CAUTION

- Always follow the recommendations of a suitable and sufficient fire risk assessment.
- The use of suitable personal protective equipment is advised, including safety glasses and heat resistant/protective gloves.
- In situations resulting in high levels of dust concentration, the use of FFP2 particle filtered protective mask or similar is recommended.
- Protect against humidity in storage.
- Disposal - contact a specialist waste contractor. Avoid discharge to waste water.
- Avoid contact with eyes, skin and clothes.

#### FIRST AID MEASURES

- Inhalation: supply fresh air immediately. Seek medical attention if irritation to the respiratory tract persists.
- Skin contact: wash off with soap and water and rinse thoroughly.
- Eye contact: remove contact lenses. Hold eye open and rinse slowly and gently with water for 15-20 mins, including under the eye lid. Seek medical attention if necessary.
- Ingestion: clean mouth thoroughly with water and drink plenty of water (200-300ml) in small sips. Avoid vomiting. If symptoms arise and persist, seek medical attention.



### MODEL: PFP12 (12KG)



Scan for more information

### Specifications

|                     |                          |
|---------------------|--------------------------|
| Model               | PFP12                    |
| Product code        | 142-1000                 |
| Grain size (mm)     | 1-4                      |
| Content weight (kg) | 12                       |
| Bag material        | Paper                    |
| Bag dimensions (mm) | 800(h) x 400(w) x 150(l) |
| Pallet qty          | 30 bags                  |

For more information contact: Astra Supplies Ltd, Riverside Business Centre, Fort Road, Tilbury, Essex, RM18 7ND