

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Firehalt: Brushseals
Product No: FIR-BRU-ROL-3M-4PK
date:

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Version: 6

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Revision date: 24/04/2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier: FIR-BRU-ROL-3M-4PK

Application of the material: Fire Barriers
Substance name: Firehalt: Brushseals

Details of the supplier of the safety data sheet:

| | |
|----------------------------------|--|
| Supplier: | Culimeta-Saveguard Ltd |
| Address: | Tame Valley Mill, Wainwright St, Dukinfield, Cheshire, SK16 5NB |
| Information Contact: | Quality Management |
| E-Mail (competent person) | rleatherbarrow@culimeta-saveguard.com |
| Emergency Telephone No: | 0161 344 2484 |

SECTION 2: Hazards identification

Appearance and odour: White / off-white with low odour
Primary routes of exposure: Inhalation, skin, eyes.

Acute (short term): Fibreglass continuous filament is a mechanical irritant. Breathing dusts and fibres may cause short term irritation of the mouth, nose and throat. Skin contact with dust and fibres may cause itching and short term irritation. Eye contact with dust and fibres may cause short term mechanical irritation. Ingestion may cause short term mechanical irritation of stomach and intestines. See section for exposure controls

Chronic (Long term): There are no known health hazards connected with long term use or contact with this product.
Medical conditions aggravated by exposure : Long term breathing or skin conditions that are aggravated by mechanical irritants may be at a higher risk for worsening from use or contact with the product.

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SECTION 3: Composition/information on ingredients

Aluminium Borosilicate Glass-alkali content <1%
Size (normally starch or silane binder) <1%. Binder-polyethylene normally <1%

SECTION 4: First aid measures

Inhalation: Move person to fresh air. Seek medical attention if irritation persists.

Eye contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists

Skin contact: Wash with mild soap and running water. Use a wash cloth to help remove fibres. To avoid more irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibres into the skin. Seek medical assistance if irritation persists.

Ingestion: Ingestion is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockages do not occur.

SECTION 5: Firefighting measures

Flash point and method: None

Flammability limits: None

Auto-ignition temperature: Not applicable

Extinguishing media: Water, foam, carbon dioxide or dry powder.

Unusual fire and explosion hazards: None known

Fire fighting instructions: Use self-contained breathing apparatus in a sustained fire

Hazardous combustion products: Primary combustion products are carbon monoxide, carbon dioxide and water from the size and binders. Other undetermined compounds could be released in small quantities.

SECTION 6: Accidental release measures

Land spill: Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

Water spill: This material will sink and disperse along the bottom of waterways and ponds. It cannot easily be removed after it is airborne. However the material is non-hazardous water.

Air release: This material will settle out of the air. If concentrated on land it can then be scooped up for disposal as a non-hazardous waste.

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SECTION 7: Handling and storage

Storage temperature: <50°C

Storage pressure: Minimal so as not to damage the binder

General: No special storage procedures are required for this product, but appropriate care should be taken in handling the product to ensure the binder remains intact.

SECTION 8: Exposure controls/personal protection

| <u>Ingredient</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|---------------------------------------|---|------------------|
| Fibre glass Continuous Filament | 5mg per cu m (Respirable dust) 15mg per cu m (Total dust) 1 fibre per cu cm (proposed) | 10mg per cu m |
| Size | None established | None established |

Ventilation: General dilution, ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below regulatory limits.

Respiratory protection: A properly fitted NIOSH/MSHA approved dust respirator such as 3M model 8710 or model 9900 (in high humidity environments) or equivalent should be used when either high dust levels are encountered, the level of glass fibres in the air exceeds the OSHA permissible limits or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin protection: Loose fitting long sleeve shirt that covers to the base of the neck, long trousers and gloves. Skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, and waist and between fingers.

Eye protection: Safety glasses, goggles or face shield.

Work and hygienic practises: Handle using good industrial hygiene and safety practices. Avoid unnecessary contact with dusts and fibres by using good local exhaust ventilation. Remove material from the skin and eyes after contact. Remove material from clothing using vacuum equipment. Never use compressed air and always wash work clothes separately from other clothing.

Wipe out the washer or sink to prevent loose glass fibres from getting on other clothing. Keep the work area clean from dusts and fibres made during fabrication by using vacuum equipment to clean up. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibres in the air. Have access to safety showers and eye wash stations.

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SECTION 9. | Physical and chemical properties

Specific Gravity: 2.6

Solubility in water: Insoluble

pH: Not applicable

Appearance and physical state: Solid

Odour: None from the glass or binder but slight odour from the size

Boiling point: Not applicable

Viscosity: Not applicable

Freezing point: Not applicable to glass but the polyethylene binder retains its flexibility at temperatures down to -70°C.

Effect of heat: the polyethylene binder melts around 127°C, with progressive shrinkage occurring from 60°C upwards, eg 3%. Low melt nylon binder melts around 60°C. The glass softens above 550°C.

SECTION 10. Stability and Reactivity

General: Stable at temperatures between -70°C and 60°C

Incompatible materials to avoid: None

Hazardous decomposition products: Sizes and binders may decompose in a fire

Hazardous polymerization: Will not occur

SECTION 11. Toxicological information

Carcinogenicity: the glass, sizes and binders are not known as carcinogens.

Fibreglass: The international agency for research on cancer (IARC) in June 1987, categorized fibreglass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fibreglass continuous filament as a possible, probable, or confirmed cancer causing material.

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SECTION 12. Ecological information

This product is not expected to cause harm to animals, plants or fish.

SECTION 13. Disposal considerations

RCRA Hazard class: Non-hazardous

SECTION 14. Transport information

DOT shipping names: Not regulated
Hazard class or division: None
Identification no: None
Labels required (if not expected): None
Special provisions: None
None-bulk packaging: None
EPA hazardous substances: None
Quantity limitations
Passenger aircraft: None
Cargo aircraft: None
Marine pollutants: None
Freight description: None
Hazardous Material Shipping Description: None
Packing group: None
Packing exceptions: None
Bulk packaging: None

SECTION 15. Regulatory information

SARA Title iii: Hazard categories:

| | |
|-----------------|-----|
| Acute health: | Yes |
| Chronic health: | No |
| Fire hazard: | No |
| Pressure hazard | No |

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Reactivity hazard

No

Clean air act: No ingredient is listed.

SECTION 16. Other information

HMIS and NFPA Hazard rating:

| Category | HMIS | NFPA |
|--------------|------|------|
| Acute health | 1 | 1 |
| Flammability | 0 | 0 |
| Reactivity | 0 | 0 |

HMIS Personal Protection: To be supplied by user depending upon use
