

## Continuous Filament Glass Fiber Products

Version 2.0

Revision Date 02/19/2021

Print Date 02/23/2021

### SECTION 0. GENERAL INFORMATION

This product meets the definition of an article according to 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015). Johns Manville has committed to communicate to its customers the appropriate information for assuring the safe handling and use of its products.

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : Chop-Pak® (except 117;137;137B) - DuraChop® - Kytex® - MultiStar® - StarRov® (except 507;895)- StarStran® - ThermoFlow® (except 768)

Manufacturer or supplier's details

Company : Johns Manville  
Address : P.O. Box 5108  
Denver, CO USA 80127

Telephone : +1-303-978-2000  
Emergency telephone number : 24-Hour Number: +1-800-424-9300 (CHEMTREC)

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

CFGF products are typically made of an endless E-glass filament with a diameter of more than 8 µm and of parallel orientation. A surface treatment (sizing) is applied to the filaments which are gathered to form a strand. The strand is further processed into a specific product design. The sizing is a polymer based mixture consisting of i.e. film former(s), coupling agent(s) and other processing aids. The sizing content is generally below 2%.

#### Hazardous components

Non-hazardous according to 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015), when used as intended.

### SECTION 4. FIRST AID MEASURES

General advice : Get medical attention if symptoms occur.  
If inhaled : Move to fresh air.  
If symptoms persist, call a physician.

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- In case of skin contact : Take off all contaminated clothing immediately.  
 If on skin, rinse well with water.  
 Get medical attention if irritation develops and persists.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
 If eye irritation persists, consult a specialist.
- If swallowed : If symptoms persist, call a physician.  
 Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
- Methods and materials for containment and cleaning up : Take up mechanically.  
 Pick up and arrange disposal without creating dust.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep in a dry, cool place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Inert or Nuisance Dust, Particulates Not Otherwise Regulated (PNOR)	Not Assigned	PEL (Total dust)	15 mg/m <sup>3</sup>	OSHA
		PEL (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA

#### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.  
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses
Skin and body protection	: If used and stored as directed, no special protective equipment is necessary. Recommended: Long sleeved clothing
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: solid
Odour	: slight

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	: No data available

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Further information

During cutting, milling or other processing of these products, particles may be generated that do not represent a health hazard if below the recommended exposure limits for particles not otherwise regulated (PNOR) (inhalable and respirable fraction). Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure. Continuous filament glass fibers do not possess cleavage planes which would allow them to split length-wise into fibers with smaller diameter; rather they break across the fiber, resulting in fibers which are of the same diameter as the original fiber. Microscopic examination of dust from highly chopped and pulverised glass demonstrated the presence of small amounts of respirable dust particles. Among these respirable particles, some were fiber-like in terms of length /diameter ratio (so-called "shards"). It can be clearly observed, however, that they are not regular shaped fibers but irregular shaped particles with fiber-like dimensions. To the best of our knowledge, the exposure levels of these fiber-like dust particles measured at our manufacturing plants are, on an order of magnitude, between 50 to 1000 times below existing occupational exposure limits. Exposures will vary according to environmental and process conditions and exposure duration.

### SECTION 12. ECOLOGICAL INFORMATION

#### Further information

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Due to the properties of the product, a hazard to the environment may not be expected.

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### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : In accordance with local and national regulations.

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### SECTION 14. TRANSPORT INFORMATION

**International transport regulations**

These products are not classified as dangerous goods according to international transport regulations.

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### SECTION 15. REGULATORY INFORMATION

**TSCA list****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**The components of this product are reported in the following inventories:**

TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

**Other regulations**

These products are considered articles under both U.S. and international products and as such, these products do not require registration or notification on the various country-specific inventories.

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### SECTION 16. OTHER INFORMATION

**Further information**

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The information provided in this Safe Use Instruction (SUI) is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and emergency response and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.