SAFETY DATA SHEET
HexForce F3 and F16 Finish

1. Identification

Product identifier

Product name: HexForce F3 and F16 Finish
Product number: 20871US-2
Synonyms; trade names: Applicable to: E Glass or S Glass with a Chromium (CR3+) Methacrylate Finish applied

Details of the supplier of the safety data sheet

Supplier: Hexcel Reinforcements
1913 N. King Street
Seguin
TX 78155
USA
Tel: ++ 830 379 1580
Fax: ++ 830 379 9544

Contact Person: 11711 Dublin Blvd, Dublin, California, USA. ++925 551 4900

Emergency telephone number

Emergency telephone: To be used only for advice on chemical emergencies, spillages, fires or First Aid:
For emergencies in US/Canada: CHEMTREC – 800 424 9300
For emergencies in rest of the world: CARECHEM24 - +44 (0) 1235 239 670

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status: This Product is Not Hazardous under the OSHA Hazard Communication Standard.
Physical hazards: Combustible Dust - USH01
Health hazards: Not Classified
Environmental hazards: Not Classified

Label elements

Signal word: Warning
Hazard statements: USH01 May form combustible dust concentrations in air

Other hazards

Warning! May cause temporary mechanical irritation of the eyes, skin or upper respiratory tract. The American Conference of Governmental Industrial Hygienists (ACGIH) lists under synthetic vitreous fiber; continuous filament glass fibers: 1 f/cc (respirable) and 5 mg/m3 (inhalable). Warning! Dust generated from machining, grinding or sanding the product may be combustible and could result in fire and/or explosion should the necessary dust concentration in air and ignition source be present.

Hazards not otherwise classified (HNOC)

Fine dust clouds may form explosive mixtures with air.
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3. Composition/information on ingredients

Mixtures
Composition comments Continuous filament glass fiber (type E, R, D, S2) of silicon, aluminum, calcium, boron and magnesium oxides in a vitreous amorphous state. Filament diameter >3um CAS 65997-17-3: >99% w/w

4. First-aid measures

Description of first aid measures
Inhalation With any sign of respiratory distress, affected persons should be taken into fresh air and made to rest while medical attention is sought.
Ingestion If fiber from the product is ingested, immediately rinse mouth repeatedly with water. If swallowing has occurred, do not induce vomiting. If requested, give affected person sips of water. Seek medical attention.
Skin Contact In case of contact with the product or the cured product dust or particulates, immediately wash skin with mild soap and water. Use a washcloth to help remove fibers. To avoid further irritation, do not scratch irritated areas. Rubbing or scratching may force the fibers into the skin. Get medical attention immediately if the irritation persists.
Eye contact contamination by fiber should be removed by flushing with water for at least 15 minutes. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed
General information Filaments are mechanical irritants and may induce temporary mouth, nose and throat irritation. Skin or eye contact may cause itching and temporary irritation. Ingestion may cause temporary mechanical irritation of the digestive tract. Pre-existing conditions such as respiratory or skin disorders may be aggravated by exposure to the product or dust/particulate generated from machining/grinding of the cured product.

Indication of immediate medical attention and special treatment needed
Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture
Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products In an emergency situation leading to elevated temperature, there may be release of toxic gases and vapours. The products of combustion and decomposition will depend on other materials present in the fire and the actual conditions of the fire.

Advice for firefighters
Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Personal precautions Avoid contact with skin, eyes or clothing.
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Environmental precautions

Due to the physical nature of this product, environmental release to drains and water courses is not possible.
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Methods and material for containment and cleaning up

Methods for cleaning up Clean up material and put into a suitable container and dispose of properly (See Section 13).

Reference to other sections For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Storage: Keep container tightly closed and dry.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container. Keep container dry.

Specific end uses(s) As this product is an article, this section is not applicable.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): 1 f/cc 5 mg/m3 continuous filament glass fibers

Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection Wear a suitable dust mask.
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10. Stability and reactivity

Stability
Stable at normal ambient temperatures and when used as recommended.

 Possibility of hazardous reactions
Not relevant.

 Conditions to avoid
Avoid heat, flames and other sources of ignition.

 Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

 Hazardous decomposition products
Does not decompose when used and stored as recommended. In an emergency situation leading to elevated temperature, there may be release of toxic gases and vapors. The products of combustion and decomposition will depend on other materials present in the fire and the actual conditions of the fire.

11. Toxicological information

Information on toxicological effects

Toxicological effects
Continuous filament fiber is listed by the International Agency for Research on Cancer (IARC) as a group 3 (not classifiable as a human carcinogen).

Carcinogenicity
IARC carcinogenicity
IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Inhalation
May cause respiratory system irritation.

 Ingestion
None expected under normal conditions of use. Ingestion is not an expected route of industrial exposure.

 Skin Contact
Contact may cause mechanical irritation, skin redness, itching and drying of the skin. Prolonged or repeated contact may cause allergic skin reaction, dermatitis and possible sensitization.

 Eye contact
May cause mechanical irritation.

 Medical considerations
Preexisting eye, skin or respiratory disorders may be aggravated by exposure to this product.

12. Ecological Information

Ecotoxicity
No ecological data has been determined on the total product.

Toxicity
Not regarded as dangerous for the environment.

Persistence and degradability

Persistence and degradability
Not relevant due to the physical form of this product.

Bioaccumulative potential

Bio-Accumulative Potential
Not relevant due to the physical form of this product.

Mobility in soil

Mobility
Not relevant due to the physical form of this product.
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13. Disposal considerations

Waste treatment methods
General information
Materials for disposal should be placed in appropriate sealed containers to avoid potential human and environmental exposure. It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the U.S., Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General
Not regulated.

UN Number
This product is not dangerous to transport.

UN proper shipping name
This product is not dangerous to transport.

Transport hazard class(es)
This product is not dangerous to transport.

Packing group
This product is not dangerous to transport.

Environmental hazards
Environmentally Hazardous Substance
No.

Special precautions for user
This product is not dangerous to transport.

15. Regulatory information

US Federal Regulations
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
Not listed