



FIBRE GLAST DEVELOPMENTS CORP.
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**FOR CHEMICAL EMERGENCY
CALL (800) 424-9300 24 HRS.**

SECTION 1 - PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: PART #30 Chopped Fibers

GENERAL OR GENERIC ID: Fiberglass

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

Appearance: solid, White

Moderate skin irritant.

POTENTIAL HEALTH EFFECTS

Routes of exposure – Inhalation, Skin contact, Eye Contact

Eye Contact – Fibrous glass or its dust may cause eye irritation from the material scratching the eyes. Symptoms include itching, stinging, tearing, redness and swelling of eyes.

Skin Contact – Contact with fibrous glass or its dust can cause skin irritation. Symptoms may include redness and an itchy, sometimes bumpy, rash. The rash is aggravated by rubbing or scratching which may even force the glass fibers into the skin. With repeated exposure, some individuals will develop a hardening of the skin and a resistance to the irritant effects of the fibers. Skin irritation is common in individuals newly exposed to fibrous glass.

Ingestion – This material is not likely to be swallowed.

Inhalation – Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (See Section 8). Breathing of glass fibers can cause short-term irritation of the mouth nose, and throat. Other symptoms may

include coughing and wheezing. Because of the structure of the fibers, they do not enter the lungs (See Other Health Effects).

Aggravated Medical Condition – Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material; skin, lung (for example, asthma-like conditions).

Symptoms – Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), irritation (nose, throat, airways).

Target Organs – No data.

Carcinogenicity – This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration. (OSHA) Studies with workers employed up to 40 years in the manufacture of fiberglass have shown no increase in cancer due to fiberglass exposure. Breathing continuous filament fiberglass did not cause cancer in laboratory animals. Studies using artificial implantation or injection of glass fibers into animals have resulted in cancer. Those studies are not considered relevant to human exposure.

Reproductive hazard – There are no data available for assessing risk to the fetus from maternal exposure to this material.

Other Information – Continuous filament fiber glass is a type of man-made mineral fiber. Fiber diameter is the most important factor in determining whether or not fibers can get into the lungs if breathed. Fibers that can enter the lungs are called respirable fibers. According to the National Institute of Occupational Safety and Health (NIOSH), fibers with diameters greater than 3.5 microns are not respirable. This product is composed of glass strands with diameters greater than 3.5 microns, and therefore, if breathed, would not enter the lungs. Instead, they would be stopped in the upper respiratory tract where they would be removed by natural mechanisms such as filtering by nasal hairs. Continuous filament fiber glass products that are chopped, crushed, or severely mechanically processed during manufacturing or use may contain a very small amount of respirable fibers that would reach the deep lung. The measured airborne concentration of these respirable fibers in areas where severe processing of fiberglass occurred has been shown to be extremely low and well below the TLV. Repeated or prolonged exposure to respirable glass fibers has caused fibrosis, lung cancer and mesothelioma in long-term studies in laboratory animals.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>% (BY WEIGHT)</u>
Glass	NJTS# 800986-5523P	< = 100%

SECTION 4 - FIRST-AID MEASURES

EYES – If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eye gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

SKIN – Wash contacted areas with mild soap and running water. Use a washcloth to help remove fibers. Do not rub or scratch affected areas since this can force fibers into the skin. Seek medical attention if irritation persists. Remove material from clothing using vacuum equipment (never use compressed air.) Wash work clothing separately from other clothing before reuse. Wipe out the washer or sink to prevent loose glass fibers from getting on other clothing.

SWALLOWING – First aid is not normally required. If symptoms develop, seek medical attention.

INHALATION – First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

NOTE TO PHYSICIANS

Hazardous: No information

Treatment: No information available

SECTION 5 - FIRE FIGHTING MEASURES

Suitable extinguishing media – dry chemical, foam, water spray, carbon dioxide (CO₂)

Hazardous combustion products – In a sustained fire, sizing and binders may decompose, releasing combustion products including carbon dioxide, carbon monoxide, various hydrocarbons, and water.

Precautions for fire-fighting – No special fire hazards are known to be associated with this product, Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions – No data

Environmental precautions – No data

Methods for cleaning up – Minimize dust. Sweep, shovel, or vacuum. **Other information** Contain and handle as described for small spills. For very large spills, transfer spilled product into new containers.

SECTION 7 - HANDLING AND STORAGE

Handling – Secondary operations, such as grinding and sanding, may produce dust. Prevent dust formation. Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry sweeping or using compressed air as these techniques cause dust and fibers to reenter the air.

Storage – No data

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

FIBERGLASS

65997-17-3

ACGIH	time weighted average	5 mg/m ³	Inhalable fraction.
NIOSH	Recommended exposure limit (REL):	5 mg/m ³	Total dust.
NIOSH	Recommended exposure limit (REL):	5 mg/m ³	Total
US CA OEL	Time Weighted Average (TWA)	5 mg/m ³	Resirable Fraction.
	Permissible Exposure Limit (PEL):		
US CA OEL	Time Weighted Average (TWA)	10 mg/m ³	Total dust.
	Permissible Exposure Limit (PEL):		

General advice – These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls – Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Eye Protection – Wear safety glasses or goggles, resistant gloves and other appropriate protective equipment essential for your operation.

Skin and Body Protection – Wear normal work clothing covering arms and legs.

Respiratory Protection – 3M Dust respirator No. 8710 or 9900 is recommended or a NIOSH approved dust respirator. (See your safety equipment supplier.)

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid
Form	No data
Colour	White
Odour	No data
Boiling point/range	No data
pH	No data
Flash point	No data
Evaporation rate	No data
Explosion limits	No data
Vapour pressure	No data
Vapour density	No data
Density	2.560 g/cm ³ @ 77.00 °F / 25.00 °C
	No Data
Solubility	insoluble in water
Partition coefficient (noctanol/water)	No Data
Autoignition temperature	No data

SECTION 10 – STABILITY AND REACTIVITY

Stability – Stable

Conditions to avoid – None Known.

Incompatible products – Avoid contact with; None known.

Hazardous decomposition products – No data

Hazardous reactions – product will not undergo hazardous polymerization.

Thermal decomposition – No data

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity

Acute inhalation toxicity

Acute dermal toxicity

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish

No Data

Acute Toxicity to Aquatic Invertebrates

No Data

Environmental fate and pathways

No Data

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. Dispose of with other normal, solid waste. For assistance with your waste management needs – including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

SECTION 14 – TRANSPORT INFORMATION

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

SECTION 15 – REGULATORY INFORMATION

California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

FIBERGLASS

Additional regulations

OECD. Program to investigate the potential hazards of high production volume further works.

US. TSCA IUR Chemicals Exempt from Update Reporting

US. OSHA Hazard Communication Standard: On One of the Floor Lists of the OSHA HCS (29 CFR 1910.1200).

SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

OSHA Hazards Moderate skin irritant

	Health	Flammability	Reactivity	Other
HMIS	1	0	0	
NFPA	1	0	0	

SECTION 16 – Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether origination with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).