Archatrak MSDS | Molded FRP Products

MATERIAL SAFETY DATA SHEET

Section 1

Product & Company Identification

Product	Fiber Reinforced Plastic Product
Company	Archatrak Inc. 1001 W Oak St Ste 101 Bozeman MT 59715
Website	www.archatrak.com
Hours 8.30am-5.30pm Mon-Fri MST	+1 866 206 8316
Recommended Use	Structural Component

Section 2

Hazard (s) Identification

Classification	In accordance with 29 C.F.R. & 1910.1200, this product is an "article" and therefore not subject to the HCS 2012 SDS and labeling requirements. The information presented is for potential end use grinding, sanding, cutting, or other mechanical work of this product.
Signal Word	Warning
Pictogram	None
Hazard Statement	May form combustible dust concentrations in air.
Precautionary Statements	None
Hazards Not Otherwise Classified	The grinding, drilling, sanding, cutting, or other mechanical working of this product may generate dusts that could act as a mechanical irritant to skin, eyes, and upper respiratory system. Vapors or products of thermal degradation generated by cutting or grinding may aggravate or cause respiratory conditions.

Section 3

Composition / Information on Ingredients

CHEMICAL COMPONENT	CAS NUMBER	PERCENT
Polymerized Resin	None	30%-75%
Fiberglass	65997-17-3	25%-70%
Quartz Silica Sand *(Present Within Anti-Slip Gritted Products Only)*	14808-60-7	1%

Section 4

First Aid Measures

Routes of Entry	Inhalation, skin, and ingestion
Signs & Symptoms of Exposure	Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to large amount of airborne dust from cutting or machining.
Emergency & First Aid Procedures	Wash skin well without rubbing. For eyes, use a sterile solution and flood the eye area. Change clothing after exposure. Apply antiseptic to any abraded skin area.

Section 5

Fire Fighting Measures

Extinguishing Media:	Water; Foam/Type A, B, or C Extinguishers
Special Firefighting Procedures:	Use Self-Contained Breathing Apparatus (SCBA) with full face mask operated in pressure mode.
Unusual Fire & Explosion Hazards:	Burning FRP creates a complex mixture of solid, liquid, particulate, and gases. Carbon monoxide and other organic compounds may be given off. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6

Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:	Non-sparking tools should be used. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air).
Methods and materials for containment and cleaning up:	Dust deposits from fabrication should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Section 7

Handling and Storage

Handling	Use personal protection equipment to minimize skin, respiratory and eye exposure to dust and fumes when cutting or grinding product. Do not rub or scratch skin if dust particles have accumulated on exposed skin. Wash all exposed skin areas thoroughly after cutting or grinding. Launder clothing separately and frequently to prevent skin exposure.
Fabrication of Product	Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Storage	No special storage conditions exist.

Section 8

Exposure Controls / Personal Protection

Occupational Exposure Limits	Value
▪ **OSHA PEL**	15mg/m3 (Nuisance Dust) Total
▪ **ACGIH TLV**	10mg/m3 (Nuisance Dust) Total
Respiratory Protection	A NIOSH-MSMA approved dust mask for dusts and mists with PEL not less than 0.1 mg/M3 when cutting or grinding.
Protective Gloves	Wear cloth gloves when handling product to prevent cuts, scratches, or abrasions.
Eye Protection	Wear protective eyewear with side shield or ventilated goggles when cutting or grinding product.
Other Protective Equipment	Barrier cream and long sleeve shirts with closed collars, long pants or protective clothing.
Ventilation	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents, an explosion suppression system, or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Section 9 Physical and Chemical Properties

PROPERTY:	MEASUREMENT:
Appearance:	
▪ Physical State	Solid Article
▪ Color	Various Colors
Odor	Low to none
Odor Threshold	N/A
pH	N/A
Melting Point/Freezing Point	N/A
Initial Boiling Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	1.5-2.0
Solubility	Not applicable
Partition Coefficient:	
▪ n-ocatnol/water	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

Section 10 Stability and Reactivity Data

Stability	Solid Article
Conditions to Avoid	Sources of ignition, sparks, or flames, extremely high temperatures
Incompatibility	Strong oxidizing acid
Hazardous Decomposition or Byproducts	Not applicable
Hazardous Polymerization	Will not occur

Section 11 Toxicological Information

Routes of Exposure:	
▪ Inhalation	Nuisance dust from machining can cause irritation.
▪ Eye	Nuisance dust from machining can cause irritation.
▪ Skin	Nuisance dust from machining can cause irritation.
▪ Injestion	N/A
Delayed and Immediate Effects	N/A
Acute Toxicity	N/A
Carcinogenicity Status	
▪ National Toxicology Program (NTP)	N/A
▪ International Agency for Research on Cancer (IARC)	N/A
▪ OSHA	N/A

Section 12 Ecological Information

Eco toxicity	No data
Persistence and Degradability	No data
Bio Accumulative Potential	No data
Mobility in Soil	No data

Section 13 Disposal Considerations

Waste Disposal Method	Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all federal, state, and local regulations. Generally, the dust is not considered a hazardous waste.

Section 14 Transport Information

Shipping Name	Not regulated
Shipping Symbols	N/A
Hazard Class	Not hazardous
ID No	N/A
Packing Group	Not determined
Label	Not required
Special Provisions	None

Section 15 Regulatory Information

Environmental Regulations

▪ RCRA	Not listed
▪ CERCLA	Not listed
▪ SARA 311/312 Codes	None
▪ SARA 313	None above de minimis quantity

Section 16 Other Information

Refer to NFPA 654	Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
HMIS	Health = 0 Fire = 1 Reactivity = 0
Issue Date	3rd April 2024

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