

Kardol Quality Products
285 S. West Street
Lebanon, Ohio 45036
513-933-8206 Fax: 513-932-6900

MATERIAL SAFETY DATA SHEET
501812
Trade Name: BI-AXIAL CLOTH

Section 1: Composition / Information on Ingredients

Hazardous Component	CAS #	Weight Percent	Occupational Exposure Limits			Vapor PI@ Temp MM Hg
			OSHA PEL	ACGIH TLV	Other	
Glass	65997-17-3	100 %		time weighted average	5 mg/m3	

Section 2: Physical & Chemical Properties

Appearance & Odor: Solid, White
pH:
Vapor Pressure (mm Hg.): 2.00hPa
Vapor Density (AIR = 1):
Evaporation Rate (Butyl Acetate = 1):
Boiling Point:
Melting Point:
Freezing Point:
Solubility in Water: insoluble in water
Specific Gravity or Density (H₂O = 1): 2.560 g/cm³ @ 77.00 °F / 25.00 °C
Material VOC:

Section 3: Fire & Explosion Hazard Data

Flash Point:
Flammability Limits:
Extinguishing Media: Dry chemical, Foam; Water spray, Carbon dioxide (CO₂)
Special 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). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.
Unusual Fire and Explosion Hazard: In a sustained fire, sizing and binders may decompose, releasing combustion products including carbon dioxide, carbon monoxide, various hydrocarbons, and water.

Section 4: Reactivity Hazard Data

Stability: stable
Conditions to Avoid: unknown
Avoid:
Hazardous Decomposition: carbon dioxide and carbon monoxide, Hydrogen, Hydrocarbons

Section 5: Health Hazard Data

Inhalation Risks and Symptoms of Exposure: Inhalation, Skin contact, Eye Contact

Skin and Eye Contact Health Risks and Symptoms:

Carcinogenicity: NTP Carcinogen: IARC Monographs: OSHA Regulated: YES

Medical Conditions Generally Aggravated by Exposure: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions).

EMERGENCY FIRST AID PROCEDURE: Eyes: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes 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 fibers from getting on other clothing.

Eye Contact: Fibers or dust from fibers 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.

Inhalation:

INGESTION: This material is not likely to be swallowed.

Section 6: Control and Protective Measures

Respiratory Protection:

Ventilation:

Protective Gloves: resistant gloves (consult your safety equipment supplier)

Eye Protection:

Other Protective Clothing: Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin.

Work/Hygienic Practices: Wash contacted areas with mild soap and running water. Use a washcloth to help remove fibers.

Section 7: Precautions for Safe Handling & Use

IN CASE OF SPILL:

WASTE DISPOSAL: Dispose of in accordance with all applicable local, state and federal regulations. Dispose of with other normal, solid waste.

Other Precautions:

DOT	HAZARD INDEX
Shipping Name:	Health:
	HMIS 1
	NFPA 1
Liquid Cleaning Compound	Flammability:
N.O.I	Reactivity:

24 HOUR EMERGENCY NUMBER
1-800-424-9300

KEEP OUT OF REACH OF CHILDREN!!!!