



MSDS Number: 52

Material Safety Data Sheet

SECTION I Product Identification	
Manufacturer's Name	Emergency Telephone Number
Ahlstrom Filtration LLC	(717) 486 - 3438
Address	Telephone Number for Information
122 West Butler Street Mount Holly Springs, PA 17065 USA	(717) 486 - 3438
Chemical name and synonyms	Trade name or synonyms
Laminated White Heat Seal Disruptor® with Antimicrobial	Patented blend of nano-alumina, glass, cellulose, synthetic fibers, and binders laminated to polyester
Date of last revision: 05/09/13	Grades: 5288

SECTION II Product Ingredients/Identity Information				
Components	OSHA PEL	ACGIH TLV	Other recommended limits	%
Natural cellulose fiber 65996-61-4	15 mg/m3, PEL total dust	10 mg/m3, total dust	5 mg/m3, PEL respirable dust	3 – 28
Modified cellulose fiber 68442-85-3	15 mg/m3, PEL total dust	10 mg/m3, PEL respirable dust	5 mg/m3, PEL respirable dust	3 – 28
Borosilicate glass 65997-17-3	15 mg/m3, total dust, 5 mg/m3, respirable dust	1 fiber/cc	N/A	19 – 29
Aluminum hydroxide oxide (predominantly boehmite) 24623-77-6/1318-23-6	15 mg/m3, total dust 5 mg/m3, respirable dust	10 mg/m3, total dust (8-hour) 1 mg/m3, respirable dust (8-hour)	N/A	23 - 33
Polyester 25038-59-9	N/A	N/A	N/A	8 – 20
Polypropylene 9003-07-4	N/A	10 mg/m3, TWA	N/A	8 – 20
Polyethylene terephthalate/copolyolefin 25038-59-9/26221-73-8	N/A	N/A	3 mg/m3, fine dust, TRGS 900 (Germany) 10 mg/m3, coarse dust, TRGS 900 (Germany)	0 – 15
Modified acrylic polymer	N/A	N/A	N/A	0 – 3
Ammonium 7664-41-7	N/A	N/A	N/A	< 0.5
Sodium dioctyl sulfosuccinate 577-11-7	N/A	N/A	N/A	< 0.5
Ethyl alcohol 64-17-5	N/A	N/A	N/A	< 0.5
Formaldehyde 500-00-0	0.75 ppm	0.3 ppm	N/A	< 0.5
Silver 7440-22-4	N/A	N/A	N/A	< 0.5
Zeolite A 68989-22-0	15 mg/m3, total dust 5 mg/m3, respirable dust	10 mg/m3, total dust 5 mg/m3, respirable dust	10 mg/m3, 5 mg/m3, NIOSH REL	0 – 2
Polymer 25212-19-5	N/A	N/A	N/A	< 0.5
Dichloro-2-propanol-1,3 96-23-1	N/A	N/A	N/A	< 0.5



SECTION III Hazard Identification	
APPEARANCE AND ODOR: White paper-like sheet. Odorless. Under normal conditions of use, this product is not expected to create any unusual emergency hazards.	

SECTION IV First Aid Measures	
Routes of Entry	Inhalation: X Skin: X Ingestion: X
Effects of Overexposure (Acute)	
Inhalation:	Preexisting respiratory conditions may be aggravated. Mild irritation to upper respiratory tract.
Skin:	Fibers larger than 5 microns in diameter may cause mild irritation. There is no known absorption through the skin.
Eyes:	Particles deposited in the eye may cause necrosis of the cornea.
Ingestion:	May cause temporary, minor irritation.
First Aid / Emergency Response	
Inhalation:	Remove individual to fresh air. Drink water to clear throat and blow nose to clear nasal passages. If irritation persists, seek medical advice.
Skin:	Wash with soap and water. If irritation persists, seek medical advice.
Eyes:	Flush eyes with water for 15 minutes and obtain medical attention.
Ingestion:	Do not induce vomiting. Eliminate dust fiber from any location that ingestion may occur. If irritation lasts for more than 24 hours, seek medical advice.
Chronic Effect:	<p>Fiberglass wool may be released when handling this product. Studies on laboratory animals were done in two categories. Animal studies have shown that the inhalation of high concentrations of glass fiber dust does not lead to lung disease. However, in studies of exposure through artificial means, implantation, some malignant tumors have developed. Recent studies of almost 27,000 U.S. and European production workers (1920's to 1980's) found no significant increase in disease from fiber glass exposure. We are not aware of any research that has established a definitive causal relationship between the inhalation of glass fibers and chronic respiratory disease in humans. The product is not considered a carcinogen by NTP and OSHA.</p> <p>The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.</p>

SECTION V Fire and Explosion Hazard Data			
Flash Point: 450 F	Flammable Limits: N/A	LEL:	UEL:
Extinguishing Media: Carbon dioxide, water, water fog, dry chemical			
Special Fire Fighting Procedures: Avoid inhalation of smoke and gasses. Wear self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards: N/A			



SECTION VI Accidental Release Measures

Procedure for spills or leaks: Pick up large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water.

Waste Disposal Method: Waste is not hazardous as defined by Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for the disposal of fiber glass wool products. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the Environmental Protection Agency (EPA).

Special Precautions: N/A

SECTION VII Handling and Storage

Use protective equipment as described in Section VIII. Keep material dry and protected from the elements.

SECTION VIII Exposure Control and Personal Protection

Respiratory Protection: Dust mask under dusty conditions. Provisions 24 CFR 19.10.

Ventilation	Local Exhaust: yes	Special:
	Mechanical: yes	Other:
Protective Gloves: yes	Eye Protection: Safety glasses with side shields or goggles if dust is a problem	

Other Protective Equipment: Wear protective clothes to minimize contact with skin.

Work/Hygienic Practices: Wash exposed areas with lukewarm water and soap after handling. Wash exposed clothes separately from other clothes.

SECTION IX Physical and Chemical Properties

Boiling Point: N/A	Specific Gravity: N/A
Vapor Pressure: N/A	Melting Point (F): 230 F
Vapor Density (air=1): N/A	Evaporation Rate: N/A
Solubility in Water: N/A	Appearance/Odor: White solid, odorless

SECTION X Reactivity Data

Stability	Unstable: <input type="checkbox"/> Stable: <input checked="" type="checkbox"/>	Conditions to Avoid:
Incompatibility (Materials to Avoid): N/A		
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, oxides of nitrogen, and small aromatic and aliphatic hydrocarbon		
Hazardous Polymerization	Unstable: <input type="checkbox"/> Stable: <input checked="" type="checkbox"/>	Conditions to Avoid:

SECTION XI Toxicological and Epidemiological Data

Acute Effects:	This product can act as mechanical irritant and may cause transitory irritation to exposed areas.
Toxicity (LD50):	Not determined
Chronic Effects:	See Section IV, chronic effects
References:	



SECTION XII Ecological Information	
Ecotoxicity:	Product has not been tested for ecotoxicity.

SECTION XIII Disposal Considerations	
Summary:	Waste is not considered hazardous as defined by U.S. EPA under RCRA. Comply with state and local regulations for disposal.

SECTION XIV Transportation Information	
U.S. Department of Transportation:	Not classified as a hazardous material.

SECTION XV Regulatory Information	
Federal Regulations:	This product has not been classified by the Internal Agency for Research on Cancer, the Occupation Safety and Health Administration (OSHA), or the National Toxicology Program (NTP).
State Regulations:	California Proposition 65: This product may contain the following substances known to the state to cause cancer: glass wool fibers (airborne particles of respirable size). May also contain trace amounts of epichlorohydrin, formaldehyde, arsenic, aluminum, and antimony; however these substances are present under the safe harbor limits set forth by Proposition 65.
Environmental Regulations:	No components regulated by EPA, SARA, or CERCLA. All components are listed on the TSCA inventory.

SECTION XVI Other Information	
For additional information concerning this product, contact Ahlstrom Filtration LLC at 122 West Butler Street Mount Holly Springs, PA 17065, or call (717) - 486 - 3438. <i>This information is believed to be accurate, and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.</i>	