

## **SAFETY DATA SHEET - 28**

### **Section 1. Identification**

<b>Product name(s):</b>	Grades 5289, 5302
<b>Product Description(s)/Synonym(s):</b>	Laminated Carbon Heat Seal Disruptor® with Antimicrobial
<b>Identified Product use(s):</b>	To be determined
<b>Uses advised against:</b>	Not applicable
<b>Supplier/Manufacturer:</b>	Ahlstrom-Munksjö Filtration LLC 22 West Butler Street Mount Holly Springs, PA 17065 USA +1-717-486-3438 (Standard Hours of Operation: 8am-4pm EST)
<b>Email:</b>	regulatory.usmhs@ahlstrom-munksjo.com
<b>Emergency Telephone:</b>	+1-717-486-3438

### **Section 2. Hazards Identification**

<b>Classification:</b>	This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Appearance and odor:</b>	Black sheet with no significant odor; under normal conditions of use.
<b>Potential Health Hazards:</b>	Dust created from cutting or slitting operations may cause respiratory irritation and intense itching and skin rash.
<b>Other Hazards:</b>	None known

### Section 3. Composition/Information on Ingredients

Name of Substance	CAS #	OSHA PEL	ACGIH TLV	Other Limits	%
Natural cellulose fiber	65996-61-4	15 mg/m <sup>3</sup> , total dust	10 mg/m <sup>3</sup> , total dust	5 mg/m <sup>3</sup> , respirable dust	3-10
Modified cellulose fiber	9004-34-6	15 mg/m <sup>3</sup> , total dust	10 mg/m <sup>3</sup> , total dust	5 mg/m <sup>3</sup> , respirable dust	3-10
Borosilicate glass	65997-17-3	15 mg/m <sup>3</sup> , total dust; 5 mg/m <sup>3</sup> , respirable dust	1 fiber/cc	N/A	12-20
Aluminum oxide hydroxide (boehmite)	24623-77-6/ 1318-23-6	15 mg/m <sup>3</sup> , total dust; 5 mg/m <sup>3</sup> , respirable dust	10 mg/m <sup>3</sup> , total dust (8-hour); 1 mg/m <sup>3</sup> , respirable dust (8-hour)	N/A	17-26
Polyethylene terephthalate/copolyolefin	25038-59-9/ 26221-73-8	N/A	N/A	3 mg/m <sup>3</sup> , fine dust, TRGS 900 (Germany); 10 mg/m <sup>3</sup> , coarse dust, TRGS (Germany)	1-8
Polyester	25038-59-9	N/A	N/A	N/A	12-20
Polypropylene	9003-07-0	N/A	N/A	10 mg/m <sup>3</sup> , TWA	7-15
Activated Coconut Carbon	7440-44-0	15 mg/m <sup>3</sup> , total dust; 5 mg/m <sup>3</sup> , respirable dust	10 mg/m <sup>3</sup> , total dust	N/A	18-26
Modified acrylic polymer	Proprietary	N/A	N/A	N/A	0-3
Silver Zeolite	130328-18-6	N/A	N/A	N/A	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	<0.05

Any concentration shown as a range is to protect confidentiality.

### Section 4. First Aid Measures

**General Advice:**

Seek medical attention if any unusual symptoms occur.

**Skin:**

Fibers larger than 5µ in diameter may cause mild irritation. Wash with soap and water for 15 minutes. If irritation persists, seek medical advice.

**Eyes:**

In case of eye contact flush with running water for 15 minutes. If discomfort continues, seek medical attention.

## Section 4. First Aid Measures (cont.)

<b>Inhalation:</b>	Preexisting respiratory conditions may be aggravated; mild irritation to the respiratory tract. Remove individual to fresh air. If irritation persists, seek medical advice.
<b>Ingestion:</b>	Dust fibers may from slitting and cutting operations can cause temporary, mild irritation. Eliminate dust fiber from any location where ingestion may occur. If irritation persists for more than 24 hours, seek medical attention.
<b>Acute/Delayed effects:</b>	None known
<b>Advice to Physician:</b>	No specific advice. Treat symptomatically.

## Section 5. Fire-fighting Measures

<b>Extinguishing media:</b>	All standard agents may be used including, water, carbon dioxide foam, and dry powder.
<b><u>Flammable Properties:</u></b>	
<b>Flash point:</b>	Not applicable
<b>Flammable limits:</b>	Not applicable
<b>LEL:</b>	Not applicable
<b>UEL:</b>	No applicable
<b>Unusual fire and explosion hazards:</b>	None known

### **Hazardous decomposition products:**

Non-combustible products, class of reaction to fire are zero. Packaging and surrounding materials may be combustible.

### **Special fire-fighting procedures:**

When heated to the ignition point, dense smoke and toxic gases may be generated. Wear self-contained breathing apparatus, protective clothing, and extinguish fire by cooling the material with water spray. If fire was caused by electrical short circuit, it cannot be put out with water.

## Section 6. Accidental Release Measures

- Personal precautions:** Minimize airborne dust. Pick up large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water.
- Environmental precautions:** Comply with state and local regulations for the disposal of glass products. If you are unsure of the regulations or have caused any environmental pollution, contact your local public health department or the local office of the Environmental Protection Agency (EPA).
- Special precautions:** None Known.

## Section 7. Handling and Storage

- Handling:** Use appropriate personal protective equipment (see Section 8).
- Storage:** Prevent product contamination, typically by keeping in original packaging or equivalent and stored in a cool, ventilated warehouse, away from incompatible materials and ignition sources.

## Section 8. Exposure Controls/Personal Protection

- Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to any airborne contaminants.
- Personal Protection Equipment:**
- Skin protection:** None required. Wear impervious gloves as needed to prevent skin contact.
- Eye protection:** If contact with eyes is possible during processing safety glasses are recommended.
- Respiratory protection:** None normally required. An approved dust respirator meeting 42 CFR Part 84 standards should be worn if there is a high dust concentration in the air.
- Exposure Guidelines:** Dust should be considered a nuisance dust and follow ACGIH TLV and OSHA PEL (see Section 3).

## Section 9. Physical and Chemical Properties

<b>Physical State, Color:</b>	Solid, White
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point:</b>	250°F
<b>Boiling point:</b>	Not available
<b>Freezing point:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Lower and upper explosive (flammable) limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density (air = 1):</b>	Not available
<b>Relative Density (water=1):</b>	Not available
<b>Solubility in water:</b>	Insoluble
<b>Specific gravity:</b>	Not available
<b>Partition coefficient: n- octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not applicable

## Section 10. Stability and Reactivity

<b>Reactivity:</b>	Non-reactive.
<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Not applicable
<b>Incompatible materials:</b>	None
<b>Hazardous decomposition or byproducts:</b>	No decomposition if used according to specifications

## Section 11. Toxicological Information

<b>Likely Routes of Exposure:</b>	See First Aid Measures above (section 4)
<b>Acute Toxicity:</b>	Non-toxic in general circumstances. If ingested heavily may cause physical damage to human body. Ingestion is not recommended.
<b>Chronic Toxicity:</b>	Not applicable
<b>Toxicity (LD50):</b>	Not determined
<b>IARC:</b>	Group 3: Not classifiable as to its carcinogenicity to humans – Biopersistent glass microfiber.
<b>OSHA:</b>	Suspected human carcinogen, if in inhalable form.
<b>NTP:</b>	Exposure to inhaled and biopersistent glass microfiber dust is reasonably anticipated to be a human carcinogen.

## Section 12. Ecological Information

<b>Ecotoxicity:</b>	Product has not been evaluated for ecotoxicity.
---------------------	---

## Section 13. Disposal Considerations

<b>Disposal:</b>	Refer to exposure controls/personal protection (section 8) when disposing of material for safe handling. Dispose of according to all federal, state and local relevant laws and regulations. Incineration is recommended when recycling is not available.
------------------	---

## Section 14. Transport Information

<b>General:</b>	Not regulated.
<b>U.S. DOT:</b>	Not classified as a hazardous material.

## Section 15. Regulatory Information

### Federal regulations:

**OSHA Hazard Communication Standard 29 CFR 1910.1200:** This material is not a “health hazard” and/or a “physical hazard” as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 “Hazard Communication” Standard.

**IARC / NTP:** Not classified

### Environmental regulations:

**SARA Title III:** This product does contain Activated Carbon which some ingredients are listed on the U.S. SARA Section 313 (40 CFR 372) of Title III of the Superfund Amendments and Reauthorization Act of 1986. There are no other known toxic chemical(s) that are subject to the reporting requirements under Sections 302,304, 313 (40 CFR 372). Sections 311 and 312 (40 CFR 370) may apply (delayed hazards) when dust is created.

**Toxic Substances Control Act (TSCA):** All chemical substances in this product are exempt or are listed in the EPA (Environment Protection Agency) TSCA Inventory.

### State regulations:

**California Proposition 65:** WARNING: This product can potentially expose you to the chemical glass wool fibers (inhalable and biopersistent), which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Right to Know Hazardous Substance List:** Activated Carbon contains chemicals are listed on the Right to Know Hazardous Substance list for New Jersey, Massachusetts, and Pennsylvania.

## Section 16. Other Information

### **Revision Information:**

*Current Issue: 31-January-2019*

*Previous Issue: 6-August-2018*

*Date of Issue: 6-April-2015*

### **HMIS Rating:**

*Health: 0*

*Flammability: 1*

*Reactivity: 0*

## Section 16. Other Information (cont.)

**Disclaimer:**

*The information in this SDS relates to the product as sold, and to the best of our knowledge, such information is believed to be accurate and reliable at the time this document was prepared; however, no representation, warranty, or guarantee, either expressed or implied, is made as to its accuracy, reliability, or completeness. It is the responsibility of the end user of this product to determine if this product is suitable for their intended purpose.*