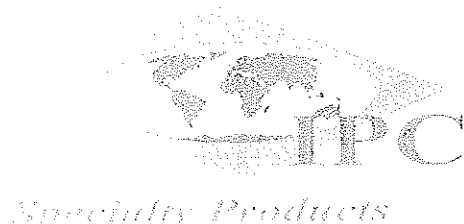


R002



MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

PRODUCT DESIGNATION: 4800H; 4800MH; 4800C; 4800HC

CHEMICAL NAME: POLYPROPYLENE

CHEMICAL FAMILY: POLYOLEFIN

PRODUCT APPEARANCE: SOLID PELLETS, COLORED OR NATURAL

EMERGENCY TELEPHONE NUMBER: 800-526-0953

II. HAZARDOUS INGREDIENT INFORMATION

This product is not hazardous as defined in 29 CFR 1910.1200.

This is a polymeric material. All constituents are wetted by the polymer system, and therefore, present no likelihood of exposure under normal conditions of processing and handling.

III. HEALTH INFORMATION AND PROTECTION

NATURE OF HAZARD:

Eye Contact: Particulates may scratch eye surfaces/cause mechanical irritation.

Skin Contact: Exposure to hot material may cause thermal burns. Negligible hazard at ambient temperatures (-18 to +38°C, 0 to 100°F).

Inhalation: Negligible hazard at ambient temperatures (-18 to +38°C, 0 to 100°F). Vapors and/or aerosols, which may form at elevated temperature, may be irritating to eyes and respiratory tract. Low order of toxicity.

Ingestion: Minimal toxicity.

FIRST AID:

Eye Contact: This product is an inert solid. If in eyes, remove as one would any foreign object.

Skin Contact: For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. For hot product, no attempt should be made to remove material from skin or remove contaminated clothing as the damaged flesh can easily be torn.

Inhalation: In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the effected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Ingestion: First aid is normally not required.

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS: 5 mg/m³ (respirable dust) and 15 mg/m³ (total dust) based on the OSHA PEL for nuisance dust.

THE ACGIH RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMIT: a TWA of 10 mg/m³ (total dust) for nuisance dust.

PRECAUTIONS:

Personal Protection: For open systems at ambient temperatures (-18 to +38°C, 0 to 100°F) where contact is likely, wear safety glasses.

Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield. Where concentrations in air may exceed the limits given in this section and engineering work practice, or other means of exposure reduction are not adequate. NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

Ventilation: Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

IV. FIRE & EXPLOSION HAZARD

FLASHPOINT: >600°F

FLAMMABLE LIMITS: Not applicable

AUTOIGNITION TEMPERATURE: >575°F

General Hazard: Solid material may burn at or above the flashpoint and airborne dust may explode if ignited.

Toxic gases will form upon combustion.

Static discharge: material can accumulate static charges, which can cause an incendiary electrical discharge.

Fire Fighting: Use water spray to cool fire exposed surfaces and to protect personnel.

Isolate "fuel" supply from fire.

Extinguish the fire by cooling with water spray.

Respiratory and eye protection required for fire fighting personnel.

Decomposition of Products under Fire Conditions: Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

V. SPILL CONTROL PROCEDURE

Land Spill: Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Water Spill: Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

VI. REGULATORY INFORMATION

TSCA: This product is listed on the TSCA Inventory

VII. TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity: 0.88 – 0.92 grams/cc	Vapor Pressure: Negligible
Solubility in Water, Wt. % at °F: Insoluble	Viscosity of Liquid, CST at °F: Not Applicable
Specific Gravity of Vapor at 1 ATM AIR = 1: Not Available	Freezing/Melting Point °F: Varies by grade >225°F
Evaporation Rate n-BU Acetate = 1: Not Available	Boiling Point, °F: Not Applicable

VIII. REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: Will not occur
Conditions to Avoid Instability: Not Applicable	To Avoid Hazardous Polymerization: Not Applicable
Materials/Conditions to Avoid Incompatibility: Temperatures over 480°F/250°C may cause decomposition and/or reaction oxygen or oxidizers.	
Hazardous Decomposition Products: None	

IX. TRANSPORT AND STORAGE

US DOT Classification: Not regulated
Electrostatic Accumulation Hazard: Yes, use proper grounding procedure
Storage Temperature °F: Ambient
Storage/Transport Pressure, mmHg: Atmospheric pressure
UN Number: Not Available
Loading/Unloading Temperature, °F: Ambient
Viscosity at Loading/Unloading Temperature, cST: Not Applicable

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

**US Department of Labor
Occupational Safety and Health Administration
This MSDS Complies with 29 CFR 1910.1200
(THE HAZARDOUS COMMUNICATION STANDARD)**

Form: SFI-0001

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IDENTIFY (AS USED ON LABELS AND LISTS):

Glass Fiber Air Filtration Media (Air Media) – HVAC Application

SECTION I

MANUFACTURER'S NAME: Superior Fibers, Inc.	REVISED: 20 May 2005
ADDRESS: 499 North Broad Street Bremen, Ohio 43107-0089	SUPERSEDES: All Others

TELEPHONE NUMBER FOR INFORMATION: (740) 569-4175

EMERGENCY TELEPHONE NUMBER: (740) 569-4175

SECTION II --- HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY, COMMON NAME (S):

	OSHA PEL	ACGIH TLV	Other Limits Recommended
Glass Fibers (Nuisance particles, Non-Respirable)	10 mg/m	10 mg/m	N/A
Cured Urea Formaldehyde Resin	None Est.	None Est.	N/A
Polybutene Emulsion	None Est.	None Est.	N/A
May contain quantities of Oil AG (Dust Adhesive)			
94.80% Propylated Triphenyl Phosphate – Phosflex 41-L	3.000	3.000	N/A
1.35% Sorbitan Monolaurate – Sorbax SML	N/A	N/A	N/A
3.85% Silicon Dioxide – Aerosil 200	N.L.	N/A	N/A
.00175% Tinopal SFP	N/A	N/A	N/A

N.L.= Not Listed N.A.= Not Available N/A= Not Applicable

SECTION III --- PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N/A	SPECIFIC GRAVITY (H₂O=1): N/A
VAPOR PRESSURE: N/A	MELTING POINT: N/A
VAPOR DENSITY: N/A	EVAPORATION RATE (BUTYL ACETATE=1): N/A

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Free-form, lofted glass fibers, many colors, no odor.

SECTION IV ---- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Open Cup **FLAMMABLE LIMITS:** N/A **Deg. F.:** 380+ **LEL:** N/A **UEL:** N/A

EXTINGUISHING MEDIA: Water fog – CO₂ Dry chemical – Multipurpose foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus. Material is self extinguishing in bulk roll form. Basic media carries a Class 2 fire rating listing by Underwriters Laboratories, Inc.

UNUSUAL FIRE FIGHTING HAZARDS: If present – Triaryl Phosphate, when exposed to open flame, will emit toxic acid vapors that are formed from Phosphorous Oxide.

SECTION V --- REACTIVITY DATA

STABILITY: Unstable ___ Conditions to Avoid: None
 Stable X

INCOMPATIBILITY (MATERIALS TO AVOID): None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Will not occur

HAZARDOUS May Occur ___ Conditions to Avoid: None

POLYMERIZATION May Not Occur X

SECTION VI --- HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? No SKIN? Yes INGESTION? No EYES? Yes

HEALTH HAZARDS (ACUTE AND CHRONIC):

Skin Contact: May produce allergic reaction in sensitive individuals. No long term effects have been identified.

Eye Contact: Avoid by use of protective equipment. Seek medical treatment if irritation persists.

Inhalation: None

Ingestion: None

CARCINOGENICITY: NTP? No IARC MONOGRAMS? No OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE:

Skin: Redness and/or rash in sensitive individuals.

Eyes: Irritation and/or burning sensations.

Inhalation: None

Ingestion: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known. Sensitive individuals will experience increased discomfort with repeated unprotected exposure.

EMERGENCY AND FIRST AID TREATMENT:

Skin: Wash exposed areas with soap and water after exposure. Wash before all meals.

Eyes: Flush eyes repeatedly with large quantities of water. Seek medical help if irritation persists.

Inhalation: None

Ingestion: None

Notes

SECTION VII --- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: None required. Solid non-toxic material.

WASTE DISPOSAL METHOD: Clean material can be disposed of in approved landfills according to local, state, and federal regulations. Disposal of contaminated (spent) media will be governed by the particulate that has been captured by the filter. Check all local, state and federal regulations pertaining to the contaminate.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: No special handling required.

OTHER PRECAUTIONS: Wear protective clothing, gloves and eye protection.

SECTION VIII --- CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Wear a dust mask to filter inhalation if cutting, sanding, or grinding products that contain glass fibers.

VENTILATION	LOCAL EXHAUST: Yes	MECHANICAL (GENERAL): Yes
	SPECIAL: N/A	OTHER: N/A

PROTECTIVE CLOTHING OR EQUIPMENT:

Gloves: Mandatory impervious gloves

Eye Protection: Yes, avoid any eye contact – Side shields on all eyeglasses, recommended.

Other Protective Clothing or Equipment: None required. Barrier creams can be of help to ultra sensitive individuals. Recommend long sleeve, loose fitting, shirts be worn by sensitive individuals. It is recommended to wash work clothing separate from other laundry. Rinse washer at the end of a cycle.

WORK / HYGIENIC PRACTICES:

Follow normal work / hygienic practices. Avoid using compressed air for work area clean-up. Recommend using wet sweep or filtered vacuum.

The information contained herein is believed to be true and accurate, but is not warranted to be, whether originating with the company or not. Customers are advised to confirm that the information is current, applicable and suitable to their circumstances.