



# Safety Data Sheet

## 1. Product Identifier and Company Identification

**Product name** : Hi-Fibe (210, 230, 250, 270, 290)  
**HBCC SDS number** : CH02000  
**Synonym** : Polyethylene Fibers; Fibrillated HDPE; Polyethylene; Polyolefin  
**Product use and Restrictions** : Refer to label or call  
**Manufacturer** : Corporate Headquarters  
**Contact Address** : Hill Brothers Chemical Company  
1675 North Main Street  
Orange, California 92867  
714-998-8800 – Office  
800-821-7234 – Office  
Corporate Safety & Compliance  
Hill Brothers Chemical Company  
7121 West Bell Road, Suite 250  
Glendale, Arizona 85308  
623-535-9955 - Office  
623-535-9944 - Fax  
**Emergency Telephone Number (Chemtrec)** : 800-424-9300  
**Website** : <http://hillbrothers.com>

## 2. Hazard Identification

**Classification** : None  
**Signal Word** : None  
**Pictogram(s)** : None  
**Hazard Statements** : None

### Precautionary Statements

**Response** : None  
**Prevention** : None  
**Storage** : None  
**Disposal** : None

## 3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
14807-96-6	Magnesium Silicate Hydrate	< 99%
9002-88-4	Polyethylene Hoopolymer	< 10%
14808-60-7	Crystalline Silica, Quartz	0.1-1.0%

## 4. First Aid Measures

### Summary of First Aid Measures

**Ingestion** : N/A  
**Inhalation** : N/A

<b>Skin</b>	: Wash dust from skin with water.
<b>Eyes</b>	: Flush with water and see a physician.
<b>Medical Conditions</b>	: N/A
<b>Effects of Overexposure</b>	: Repeated inhalation of non-asbestos form of talc dust might cause scarring of the lungs with shortness of breath, chronic cough, and heart failure. The non-fibrous form of talc may cause irritation of the eyes in the same manner as nuisance dusts.
<b><u>Summary of Acute Health Hazards</u></b>	: This product is irritating to the eyes, respiratory system and skin.
<b>Ingestion</b>	: May cause temporary irritation of the throat, stomach, and gastrointestinal tract.
<b>Inhalation</b>	: May cause irritation of the respiratory tract.
<b>Skin</b>	: Dust or powder may irritate the skin.
<b>Eyes</b>	: May cause irritation of the eyes.
<b>Note to Physicians</b>	: Talc is reported to cause decreased pulmonary function. Examinations of the lungs and cardiovascular system should be performed annually.
<b><u>Summary of Chronic Health</u></b>	: May cause irritation of the eyes. Long-term excessive exposures may cause Talcosis, a pulmonary fibrosis, which in turn may lead to severe and permanent damage to the lungs. <b>WARNING:</b> This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

## 5. Fire Fighting Measures

<b>Extinguishing</b>	: Water, CO <sub>2</sub> , foam, or dry chemicals
<b>Special Exposure Hazards</b>	: N/A
<b>Special Protective</b>	: N/A
<b>Fire Fighting Procedures</b>	: N/A
<b>NFPA Rating</b>	: Health - 1 Flammability - 0 Instability - 0



0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

**Uniform Fire Code Rating** : N/A

## 6. Accidental Release Measures

**Personal Precautions** : Persons should wear protective equipment and clothing.

**Emergency Procedures** : Ventilate the area of the spill.

**Methods of Containment And Clean-Up** : Collect the spilled material in the most convenient and safe manner for reclamation or for disposal in a secured sanitary landfill.

## 7. Handling and Storage

**Safe Handling** : Prevent possible eye and skin contact by wearing protective clothing and equipment.

**Storage** : Do not store near flames.

**Work/Hygienic Practices** : Avoid contact with the eyes and inhalation of the HI-FIBE dust. All workers should wash themselves after contact with HI-FIBE.

**Ventilation** : Mechanical ventilation adequate to keep the dust level below the TLV and PEL levels.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits** :

Chemical Name: Hi-Fibe				
Exposure Limits (TWAs) in Air				
CAS Number	Chemical	ACGIH TLV	OSHA PEL	STEL
14807-96-0	Magnesium Silicate Hydrate	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	N/A
9002-88-4	Polyethylene Homopolymer	10 mg/m <sup>3</sup> ; respirable 3	15 mg/m <sup>3</sup>	N/A
14808-60-7	Crystalline silica	0.025 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	N/A

- Protective Equipment** : N/A
- Eye Protection** : Tight fitting goggles for dust only should be worn.
- Respiratory** : For particulate concentrations of 200 mppcf or less, any dust and mist respirator, except single-use or quarter-mask respirators, may be used. For concentrations above 200 mppcf, only high efficiency filter respirators with a full facepiece or a SCBA should be used.
- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV):** 2 mg/m<sup>3</sup> TWA; The value is for particulate matter containing no asbestos and <1% crystalline silica. (Respirable fraction) Appendix A4 (Not Classifiable as a Human Carcinogen)

## 9. Physical and Chemical Properties

<b>Appearance:</b> Fibrous white powder	<b>Odor:</b> N/A
<b>Odor Threshold:</b> N/A	<b>pH:</b> N/A
<b>Melting Point/Freezing Point:</b> 125-135° C (257-275° F)	<b>Initial Boiling Point/Range:</b> N/A
<b>Flash Point:</b> >200° C (392° F)	<b>Evaporation Rate (BuAc=1):</b> N/A
<b>Flammability:</b> Non-flammable	<b>Lower/Upper Explosive Limit:</b> N/A
<b>Vapor Pressure (mmHg):</b> N/A	<b>Vapor Density (Air=1):</b> N/A
<b>Solubility in Water:</b> Insoluble	<b>Density at 25° C (77° F):</b> N/A
<b>% Volatiles:</b> N/A	<b>Specific Gravity (Water=1):</b> 2.5-2.8
<b>Molecular Weight:</b> N/A	<b>VOC:</b> N/A

## 10. Stability and Reactivity

- Reactivity** : N/A
- Chemical Stability** : Stable
- Possibility of Hazardous Reactions or Polymerizations** : Hazardous Polymerization will not occur
- Conditions to Avoid** : N/A
- Incompatible Materials** : Oxidizing acids; some chlorinated hydrocarbons
- Hazardous Decomposition Products** : Thermal decomposition products above 525° F are C, CO, and CO<sub>2</sub>

## 11. Toxicological Information

- Acute and Chronic Effects** : N/A

## Routes of Exposure

**Inhalation** : Yes  
**Ingestion** : Yes  
**Skin** : Yes  
**Eyes** : Yes

**Symptoms related to Physical, Chemical & Toxicological Characteristics** : N/A

**Numerical Measures of Toxicity** : N/A

**Chronic Toxicity** : N/A

**Carcinogenicity** : N/A

Product Name: Hi-Fibe					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
	No			No	Yes

**TARGET ORGANS** : N/A

## **12. Ecological Information**

**Ecotoxicity** : N/A

**Persistence and Degradability** : N/A

**Bioaccumulative Potential** : N/A

Product/Ingredient	Log <sub>pow</sub>	BCF	Potential
-	-	-	-

**Mobility in Soil** : N/A

## **13. Disposal Considerations**

**Disposal of Container** : May be disposed of in a secured sanitary landfill. Disposal must be done in accordance with Local, State, and Federal regulations.

## **14. Transport Information**

This product is not regulated as a hazardous material, substance or dangerous good.

## 15. Regulatory Information

**SARA 302 Extremely Hazardous Substances (EHS)** : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

**SARA 304 Extremely Hazardous Substances (EHS) Release Notification** : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released to the environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

**SARA 311/312 Hazards** :

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Acute	Chronic	Flammability	Pressure	Reactivity
No	Yes	No	No	No

**SARA 313 Reportable Chemicals** : No chemical in this product is subject to annual emissions, transfers, or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxic Release Inventory (TRI) Report or Form R.

**CERCLA Hazardous Substances** : No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

**Clean Air Act (CAA) Section 112(r) Air Pollutants** : No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r) (40 CFR 61).

**California Prop 65 Chemicals** : **WARNING:** This product contains the following chemical(s) listed under California Proposition 65, which are chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
Silica, Respirable, CAS #14808-60-7

**Hazard Label Warning** : This product does not require hazard label warnings.

**TSCA (Toxic Substances Control Act)** : All chemical substances in this product are listed on the U.S. TSCA Inventory List.

**ACRONYMS:**

- CAS # – Chemical Abstract Services Registry Number
- CFR – Code of Federal Regulations
- CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
- EPCRA – Emergency Planning and Community Right-to-Know Act
- LEPC – Local Emergency Planning Committee
- SERC – State Emergency Response Commission

## 16. Other Information

**Revision date** : 05/21/2015  
**Supersedes** : 06/27/2007  
**First Issue** : 04/10/1989

**Chemical Family/Type** : Mixture of mineral and synthetic fiber

**Section(s) changed since last revision** : MSDS to First Issue SDS Conversion

**IMPORTANT!** Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.