



Safety Data Sheet

1. Product Identifier and Company Identification

Product name : **Hi-Fibe 254-S**
HBCC SDS number : CH03000
Synonym : Polyethylene Fibers; Fibrillated HDPE; Polyethylene; Polyolefin
Product use and Restrictions : Refer to label or call
Manufacturer : Corporate Headquarters
Contact Address : Corporate Safety & Compliance
Hill Brothers Chemical Company
1675 North Main Street
Orange, California 92867
714-998-8800
800-821-7234
7121 West Bell Road, Suite 250
Glendale, Arizona 85308
623-535-9955 - Office
623-535-9944 - Fax
Emergency Telephone Number (Chemtrec) Website : 800-424-9300
: <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	<70%
9002-88-4	Polyethylene	<6%
1302-78-9	Bentonite	<30%
14808-60-7	Crystalline Silica, Quartz	<1%

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV): 2 mg/m³ TWA; The value is for particulate matter containing no asbestos and <1% crystalline silica. (Respirable fraction) Appendix A4 (Not Classifiable as a Human Carcinogen)

4. First Aid Measures

Summary of First Aid Measures

- Ingestion** : If large amounts were swallowed, give water to drink and get medical advice.
- Inhalation** : Remove to fresh air. Get medical attention for any breathing difficulty.
- Skin** : Wash dust from skin with water.
- Eyes** : Flush with water and see a physician.
- Medical Conditions** : N/A
- Effects of Overexposure** : 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.

Summary of Acute Health Hazards

- Ingestion** : Large doses may cause gastric irritation, nausea, and diarrhea.
- Inhalation** : May cause irritation of the respiratory tract.
- Skin** : May cause irritation
- Eyes** : May cause irritation of the eyes. May cause chemical conjunctivitis.
- Note to Physicians** : Talc is reported to cause decreased pulmonary function. Examinations of the lungs and cardiovascular system should be performed annually.

- Summary of Chronic Health** : Prolonged inhalation of dust is associated with respiratory effects. Long term excessive exposures to talc may cause talcosis, a pulmonary fibrosis which may in turn lead to severe and permanent damage to the lung.

5. Fire Fighting Measures

- Extinguishing** : Water, CO₂, foam, or dry chemicals
- Special Exposure Hazards** : None
- Special Protective** : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
- Fire Fighting Procedures** : N/A

NFPA Rating

: 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. Ventilate the area of the spill. Wet material may be very slippery.

Emergency Procedures

: N/A

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. Material may become very slippery when wet.

Storage

: N/A

Work/Hygienic Practices

: Avoid contact with the eyes and inhalation of the HI-FIBE 254-S dust. All workers should wash themselves after contact with HI-FIBE 254-S. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Ventilation

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

8. Exposure Controls/Personal Protection

Occupational Exposure Limits : N/A

Chemical Name: Hi-Fibe 254 S				
Exposure Limits (TWAs) in Air				
CAS Number	Chemical	ACGIH TLV	OSHA PEL	STEL
14807-96-6	Magnesium Silicate Hydrate	2 mg/m ³	2 mg/m ³	N/A
1302-78-9	Bentonite	10 mg/m ³	15mg/m ³	N/A
9002-88-4	Polyethylene	10 mg/m ³	10 mg/m ³	N/A
14808-60-7	Cystalline Silica, Quartz	0.025 mg/m ³	0.1 mg/m ³	N/A

Protective Equipment : Protective gloves are recommended.

Eye Protection : Tight fitting goggles for dust only should be worn.

Respiratory : Only NIOSH-approved or MSHA-approved equipment should be used.

9. Physical and Chemical Properties

Appearance: Fibrous white powder	Odor: Odorless
Odor Threshold: N/A	pH: N/A
Melting Point/Freezing Point: >132° C (270° F)	Initial Boiling Point/Range: N/A
Flash Point: N/A	Evaporation Rate (BuAc=1): N/A
Flammability: Non-Flammable	Lower/Upper Explosive Limit: N/A
Vapor Pressure (mmHg): N/A	Vapor Density (Air=1): N/A
VOC: N/A	Solubility in Water: Insoluble
Decomposition Temperature: 400-500° C	Specific Gravity(Water=1): 2.5-2.8
% Volatiles: N/A	Loose Bulk Density: N/A
Molecular Weight: 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 : None

Incompatible Materials : Oxidizing acids; some chlorinated hydrocarbons

Hazardous Decomposition Products : Thermal decomposition products above 500° C are C, CO, and CO₂

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 :

Product Name: Hi-Fibe 254S					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
	Yes			No	Yes

TARGET ORGANS : N/A

12. Ecological Information

Ecotoxicity : N/A

Persistence and Degradability : N/A

Bioaccumulative Potential : N/A

Product/Ingredient	Log _{Pow}	BCF	Potential

Mobility in Soil : N/A

13. Disposal Considerations

Disposal of Container : May be disposed of in a secured sanitary landfill. Not suitable for incineration, chemical, or biological degradation. 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:

SARA 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	No	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.

Hazard Label Warning:

Crystalline Silica (respirable), CAS #14808-60-7
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.

16. Other Information

Revision date : 12/10/2015
Supersedes : 05/05/2015
First Issue : 03/09/1993
Section(s) changed since last revision : Various sections

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.