

Material Safety Data Sheet

Revision Issued: 9/08/98

Supercedes: 3/09/93

First Issued: 3/09/93

Section I - Chemical Product And Company Identification

Product Name: Hi-Fibe 254-S

CAS Number: N/A

HBCC MSDS No. CH03000



HILL BROTHERS *Chemical Co.*

1675 NORTHMAIN STREET • ORANGE, CALIFORNIA 92867-3499
(714) 998-8800 • FAX: (714) 998-6310
<http://hillbrothers.com>

1675 No. Main Street, Orange, California 92867

Telephone No: 714-998-8800 | Outside Calif: 800-821-7234 | Chemtrec: 800-424-9300

Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	Exposure Limits (TWAs) in Air		
		ACGIH TLV	OSHA PEL	STEL
Magnesium silicate hydrate	14807-96-6	2 mg/m ³	2 mg/m ³	N/A
Polyethylene Pulp	9002-88-4	N/A	N/A	N/A
Bentonite	12199-37-0	10 mg/m ³	5 mg/m ³	N/A

Section III - Hazard Identification

Routes of Exposure: The talc component of HI-FIBE 254-S can affect the body if it is inhaled or if it comes in contact with the eyes. Polyethylene should not be considered a hazardous material.

Summary of Acute Health Hazards

Ingestion: N/A

Inhalation: May cause irritation of the respiratory tract.

Skin: N/A

Eyes: May cause irritation of the eyes.

Summary of Chronic Health Hazards: N/A

Signs and Symptoms of Exposure: 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 nonfibrous form of talc may cause irritation of the eyes in the same manner as nuisance dusts.

Medical Conditions Generally Aggravated by Exposure: Pulmonary function may be reduced by inhalation of respirable crystalline silica that may be contained within Bentonite dust. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and

diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

Note to Physicians: Talc is reported to cause decreased pulmonary function.

Examinations of the lungs and cardiovascular system should be performed annually.

Section IV - First Aid Measures

Ingestion: N/A

Inhalation: N/A

Skin: Wash dust from skin with water.

Eyes: Flush with water and see a physician.

Section V - Fire Fighting Measures

Flash Point: > 329°C (625°F) **Autoignition Temperature:** > 343°C (650°F)

Lower Explosive Limit: N/A **Upper Explosive Limit:** N/A

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Water, CO₂, foam, or dry chemicals

Special Firefighting Procedures: N/A

Section VI - Accidental Release Measures

Persons should wear protective equipment and clothing. Ventilate the area of the spill. Collect the spilled material in the most convenient and safe manner for reclamation or for disposal in a secured sanitary landfill. Wet material may be very slippery.

Section VII - Handling and Storage

Prevent possible eye and skin contact by wearing protective clothing and equipment.

Material may become very slippery when wet.

Other Precautions: Do not store near flames.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: Only NIOSH-approved or MSHA-approved equipment should be used. See SUPPLEMENTAL INFORMATION for more specifics.

Respiratory Protection For Crystalline Silica Minimum Respiratory Protection

Particulate Concentration:

5 x PEL or less: Any dust respirator.

10 x PEL or less: Any dust respirator, except single-use or quarter-mask respirator. OR Any dust respirator, except single-use or quarter-mask respirator. OR Any supplied-air respirator. OR Any self-contained breathing apparatus.

50 x PEL of less: A high efficiency particulate filter respirator with a full facepiece. OR Any supplied-air respirator with a full facepiece, helmet, or hood. OR Any self-contained breathing apparatus with a full facepiece.

500 x PEL or less: A Powered air-purifying respirator with a high efficiency particulate filter. OR A Type C supplied- air respirator operated in pressure-demand or other positive pressure or continuous-flow mode.

Greater than 500 x PEL or entry and escape from unknown concentrations: Self-

contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. OR A combination respirator which includes a Type C supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure continuous-flow mode and an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.

Abrasive Blasting: Any Type CE, supplied-air respirator with a full facepiece, hood, or helmet, operated in a positive-pressure mode. Only NIOSH-approved or MSHA-approved equipment should be used.

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

Protective Clothing: Protective gloves are recommended.

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

Other Protective Clothing or Equipment: 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.

Section IX - Physical and Chemical Properties

Physical State: Solid

pH: 7.5

Melting Point/Range: > 132°C (270°F)

Boiling Point/Range: N/A

Appearance/Color/Odor: : Fibrous white powder, odorless

Solubility in Water: Negligible

Vapor Pressure(mmHg): N/A

Specific Gravity(Water=1): 2.6

Molecular Weight: N/A

Vapor Density(Air=1): N/A

% Volatiles: N/A

How to detect this compound : N/A

Section X - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

Materials to Avoid: Oxidizing acids; some chlorinated hydrocarbons

Hazardous Decomposition Products: Thermal decomposition products above 525°F are C, CO, and CO₂

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

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.

Section XIV - Transport Information

DOT Proper Shipping Name: N/A

DOT Hazard Class/ I.D. No.: N/A

Section XV - Regulatory Information

WARNING

This product contains crystalline silica, a chemical known to the State of California to cause cancer.

Reportable Quantity: N/A

NFPA Rating: Health - 2; Fire - 0; Reactivity - 0

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

Carcinogenicity Lists: The nonfibrous (non-asbestos) form of talc may have the potential to cause pulmonary fibrosis and cancer of the lungs and pleura. Crystalline silica, which may be contained in Bentonite, has been classified by IARC as a Class 2A carcinogen.

NTP: No **IARC Monograph:** Yes **OSHA Regulated:** Yes

Section XVI - Other Information

Synonyms/Common Names: N/A

Chemical Family/Type: Alkaline-earth metal

IMPORTANT! Read this MSDS 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 MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable.

However, since 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. Also, 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 prior to use, and then to exercise appropriate precautions for protection of employees and others.