

Material Safety Data Sheet

Revision Issued: 4/11/2012 Supercedes: 9/27/2007 First Issued: 3/09/1993

Section I - Chemical Product And Company Identification

Product Name: Hi-Fibe 254-S

CAS Number: N/A

HBCC MSDS No. CH03000



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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

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: 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.

Summary of Chronic Health Hazards: 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.

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 non-fibrous form of talc may cause irritation of the eyes in the same manner as nuisance dusts.

Medical Conditions Generally Aggravated by Exposure: N/A

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: 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.

Section V - Fire Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A

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: 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.

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.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: 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. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

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): 2.3-2.5 **Molecular Weight:** N/A
Vapor Density(Air=1): N/A **Decomposition Temp:** 400-500°C
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 500°C are C, CO, and CO₂

Section XI - Toxicological Information

Talc: irritation skin human: 300 ug/3D-1 mild; investigated as a tumorigen.

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 trace amounts of crystalline silica, a chemical known to the State of California to cause cancer.

Reportable Quantity: N/A

NFPA Rating: Health - 1; Flammability - 0; Instability - 0

Product Name: Hi-Fibe 254-S

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

Carcinogenicity Lists: The non-fibrous (non-asbestos) form of talc may have the potential to cause pulmonary fibrosis and cancer of the lungs and pleura. Crystalline silica, 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

Sections Changed Since Last Revision: II, III, VIII, IX, X, XI, XV

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.