Safety Data Sheet

1. Product Identifier and Company Identification

Product name(s) : **TF-33-7 Floor & Stair Mix; Oxy-Patch**
HBCC SDS number : CM02200; CD02500
Synonym : Magnesium Oxychloride Cement
Product use and Restrictions : Refer to label or call

Manufacturer : Corporate Headquarters
Contact Address
Hill Brothers Chemical Company
3000 E Birch St, Suite 108
Brea, California 92821
714-998-8800
800-821-7234

Corporate Safety & Compliance
Hill Brothers Chemical Company
21639 N 12th Ave, Suite 100
Phoenix, Arizona 85027
623-535-9955 - Office
623-535-9944 - Fax

Emergency telephone Number (Chemtrec) : 800-424-9300
Website : https://www.hillbrothers.com

2. Hazard Identification

Classification : Acute Toxicity; Oral: Category 4
Acute Toxicity; Inhalation: Category 4
Carcinogenicity: Category 1A
Specific Organ Toxicity (Repeated Exposure): Category 1

Signal Word : DANGER

Pictogram(s) :

Hazard Statements : H302+H332: Harmful if swallowed or inhaled.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Response : P304+P340+P312: IF INHALED: Remove person to fresh air and keep Comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.
P308+P313: If exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.

Prevention : P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dusts, fumes, or mists.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, protective clothing, and eye and face protection.

Storage : P405: Store locked up.

Disposal : P501: Dispose of contents and container in accordance with local, regional, national, and international regulations.

3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
	Magnesium Oxide Proprietary Mix	80-90%
14807-96-6	Magnesium Silicate Hydrate (non-fibrous or non-asbestos talc)	5-10%
14808-60-7	Silicon Dioxide	5-10%

4. First Aid Measures

Ingestion : N/A

Inhalation : If a person breathes in large amounts of this chemical, move the exposed person to fresh air at once, administer artificial respiration as needed. OBTAIN MEDICAL ATTENTION.

Skin : Wash dust from skin thoroughly with soap and water.

Eyes : While holding eyelids open, flush with plenty of water for at least 15 minutes. If irritation persists, OBTAIN MEDICAL ATTENTION.

Medical Conditions : Pulmonary function may be reduced by inhalation of respirable crystalline silica. 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.

Effects of Overexposure : May dehydrate mucous membrane. Crystalline silica can cause silicosis, a progressive and frequently incapacitating pneumoconiosis evident on x-ray and in pulmonary function testing, as well as in subjective respiratory complaints.

Summary of Acute Health HazardS	:	Chronic overexposure by inhalation of airborne particulate may irritate Upper respiratory system as well as the throat. Ingestion is an unlikely route of exposure. If ingested in large amounts It may cause irritation, nausea, vomiting, diarrhea, abdominal pain, black stool, pink urine, coma and possibly death.
Ingestion	:	May be harmful if swallowed.
Inhalation	:	May dehydrate mucous membrane. Crystalline silica can cause silicosis, a progressive and frequently incapacitating pneumoconiosis evident on x-ray and in pulmonary function testing, as well as in subjective respiratory complaints.
Skin	:	May cause irritation of the skin.
Eyes	:	May cause irritation of the eyes.
Note to Physicians	:	N/A
Summary of Chronic Health	:	N/A

5. Fire Fighting Measures

Extinguishing	:	Use extinguishing media appropriate to the surrounding area.
Special Exposure Hazards	:	This material is non-combustible.
Special Protective Equipment for Firefighters	:	N/A
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 : N/A

Emergency Procedures : N/A

Methods of Containment And Clean-Up : If material is not contaminated, place into clean containers for use. contaminated, place into containers for disposal.

7. Handling and Storage

Safe Handling : This product may react with hot or concentrated nitric and perchloric acids, fuming sulfuric acid at 60ºC; 140ºF or above, and should not be stored near such materials.

Storage : Keep temperatures below 60ºC; 140ºF for quality.

Work/Hygienic Practices : Keep dust and air concentration to minimum. Vacuum to remove collected dust and prevent formation of dust clouds. Avoid inhalation of dust, and contact with eyes and skin. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Ventilation : Provide adequate ventilation

8. Exposure Controls/Personal Protection

Occupational Exposure :

	Exposure Limits (TWAs) in Air				
CAS Number	**Chemical Name:**	**IDLH**	**ACGIH TLV**	**OSHA PEL**	**STEL**
1309-48-4	Magnesium Oxide	N/A	10 mg/m³	15 mg/m³	N/A
14807-96-6	Magnesium Silicate Hydrate	N/A	2 mg/m³	2 mg/m³	N/A
14808-60-7	Crystalline Silica; Quartz	N/A	0.1 mg/m³	0.1 mg/m³	N/A

Protective Equipment : N/A

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

Respiratory Protection : Only NIOSH-approved or MSHA-approved equipment should be used.
Respiratory Protection For Crystalline Silica Minimum Respiratory Protection
Particulate Concentration:
5x PEL or less: Any dust respirator.
10x PEL or less: One of the following respirators can be used:

- Dust respirator, except single-use or quarter-mask respirator
- Supplied-air respirator
- Self-contained breathing apparatus

50x PEL of less: One of the following respirators can be used:

- A high efficiency particulate filter respirator with a full facepiece
- Supplied-air respirator with a full facepiece, helmet, or hood
- Self-contained breathing apparatus with a full facepiece

500x PEL or less: One of the following respirators can be used:

- A Powered air-purifying respirator with a high efficiency particulate filter
- A Type C supplied-air respirator operated in pressure-demand or other positive pressure or continuous-flow mode

Greater than 500x PEL or entry and escape from unknown concentrations:
One of the following respirators can be used:

- Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode
- 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.

9. Physical and Chemical Properties

Appearance: Solid, powder, tan	**Odor:** No odor
Odor Threshold: N/A	**pH:** 10-11
Melting Point/Freezing Point: N/A	**Initial Boiling Point/Range:** N/A
Flash Point: N/A	**Evaporation Rate (BuAc=1):** N/A
Flammability: N/A	**Lower/Upper Explosive Limit:** N/A
Vapor Pressure (mmHg): N/A	**Vapor Density (Air=1):** N/A
Relative Density: N/A	**Solubility in Water:** Negligible
Partition Coefficient: N/A	**Autoignition Temperature:** N/A
Decomposition Temperature: N/A	**Viscosity:** N/A
% Volatiles: N/A	**Specific Gravity (Water=1):** 2.74 - 2.80g/cm^3
Molecular Weight: N/A	**VOC:** 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 : Avoid dampness. Hydrates materials. Some decomposition occurs above 6000°C liberating CO_2.

Incompatible Materials : Strong Acids

Hazardous Decomposition Products : None - combination with water generates some heat.

11. Toxicological Information

Acute and Chronic Effects : Inhalation (Respirable Dust)

Routes of Exposure

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

Symptoms related to Physical, Chemical & Toxicological Characteristics : Yes

Numerical Measures of Toxicity : Yes

Chronic Toxicity : Yes

Carcinogenicity : Quartz (238-878-4)
ACGIH: A2 – Suspected Human Carcinogen
NIOSH: Potential Occupational Carcinogen
NTP: Known Human Carcinogen (Select Carcinogen)
IARC: Monograph 100C [in preparation] (listed under Crystaline silica Inhaled in the form of quartz or crystobalite from occupational sources)
Monograph 68 [1997] (Group 1 (carcinogenic to humans))

Product Name: TF-33-7 Floor And Stair Mix, Oxy Patch					
ACGIH	**IARC**	**EPA**	**NIOSH**	**NTP**	**OSHA**
0.025 mg/m^3	No	No	.05 mg/m^3	No	0.1 mg/m^3

TARGET ORGANS : N/A

12. Ecological Information

Ecotoxicity : N/A

Persistence and Degradability : N/A

Product/Ingredient	Log $_{Pow}$	BCF	Potential
-	-	-	-

Bioaccumulative Potential : N/A

Mobility in Soil : N/A

13. Disposal Considerations

Disposal of Container : Consult Federal, State, or Local Authorities for proper disposal procedures. Non-Biodegradable solid waste should be taken to a licensed landfill facility.

14. Transport Information

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

15. Regulatory Information

Section 302 Extremely Hazardous Substance (EHS) : No chemicals in this material are subject to the reporting requirements of Sara Title III, Section 302.

Section 304 Extremely Hazardous Substance (EHS) : No chemicals in this material are subject to the reporting requirements of Sara Title III, Section 304.

SARA 311/312 Hazard Classification :

Sara 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	Yes	No	No	No

SARA 313 Supplier Notification : This product does not contain any chemical components with known CAS numbers that exceed the reporting requirements of SARA Title III, Section 313.

CERCLA Hazardous Substance : No CERCLA reportable chemicals are found in this product.

Clean Air Act (CAA) : This product is not listed as a pollutant under the US Clean Air Act, Section 12 (40 CFR 61)

California Prop 65 : WARNING: This product contains Crystalline Silica (CAS # 14808-60-7), a substance known to the State of California to cause cancer.

Label Warning : None

EPA Registration : None

16. Other Information

Revision date	:	03/04/2026
Supersedes	:	04/14/2015
First Issue	:	06/05/1989
Chemical Family/Type	:	N/A
Section(s) changed since last revision	:	1

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.