

**Material Safety Data Sheet**

Revision Issued: 11/10/2008 Supercedes: 5/13/1999 First Issued: 6/05/89

**Section I - Chemical Product And Company Identification**

**Product Name: Oxy Patch Kit**

CAS Number: N/A

HBCC MSDS No. CD02500B



**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
Calcium Carbonate	471-34-1	N/A	N/A	N/A
Magnesium Oxide	1309-48-4	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	N/A
Magnesium Silicate Hydrate (non-fibrous or non-asbestos talc)	14807-96-6	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	N/A
Silicone Dioxide (Respirable)	14808-60-7	0.1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N/A
Silicone Dioxide (Dust)	14808-60-7	0.1 mg/m <sup>3</sup>	30 mg/m <sup>3</sup>	N/A

**Section III - Hazard Identification**

**Routes of Exposure:** Inhalation, skin, eyes

**Summary of Acute Health Hazards**

**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.

**Carcinogenicity Lists:** No **NTP:** No **IARC Monograph:** No **OSHA Regulated:** No

**Summary of Chronic Health Hazards:** N/A

**Signs and Symptoms of Exposure:** Undue breathlessness, wheezing, cough, and sputum production.

**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.

**Medical Conditions Generally Aggravated by Exposure:** 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.

**Note to Physicians:** N/A

#### Section IV - 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.

#### 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:** N/A

**Extinguishing Media:** This material is non-combustible. Use extinguishing media appropriate to the surrounding area.

**Special Firefighting Procedures:** None

#### Section VI - Accidental Release Measures

If material is not contaminated, place into clean containers for use. If contaminated, place into containers for disposal.

#### Section VII - Handling and Storage

Product should be stored in warehouse with sprinklers. Keep temperatures below 60°C; 140°F for quality. This product may react with hot or concentrated nitric and perchloric acids, fuming sulfuric acid at 60°C; 140°F or above, and should not be stored near such materials.

#### Section VIII - Exposure Controls/Personal Protection

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

Respiratory Protection For Crystalline Silica Minimum Respiratory Protection

Particulate Concentration:

**5 x PEL or less:** Any dust respirator.

**10 x 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

**50 x PEL or 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

**500 x 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 500 x 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.

**Ventilation:** Provide adequate ventilation

**Protective Clothing:** N/A

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

**Other Protective Clothing or Equipment:** N/A

**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.

**Section IX - Physical and Chemical Properties**

**Physical State:** Solid, powder

**pH:** N/A

**Melting Point/Range:** N/A

**Boiling Point/Range:** N/A

**Appearance/Color/Odor:** Tan; no odor

**Solubility in Water:** Negligible

**Vapor Pressure(mmHg):** N/A

**Specific Gravity(Water=1):** 1.87-1.91

**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:** Avoid dampness. Hydrates materials. Some decomposition occurs above 6000°C liberating CO<sub>2</sub>.

**Materials to Avoid:** Strong Acids

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

**Section XI - Toxicological Information**

N/A

**Section XII - Ecological Information**

N/A

**Section XIII - Disposal Considerations**

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

#### 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 substance known to the State of California to cause cancer.

**Reportable Quantity:** N/A

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

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

**Carcinogenicity Lists:** NTP: No **IARC Monograph:** No **OSHA Regulated:** No

#### Section XVI - Other Information

**Synonyms/Common Names:** Magnesium Oxychloride Cement

**Chemical Family/Type:** N/A

**Sections Changed since last revision:** VIII, IX

**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.