

# SAFETY DATA SHEET



Issue Date: June 6, 2017

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Version: 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): DuraPatch EPX Filler

### Other Means of Identification

SDS #: F2110 Filler

Recommended Use: Epoxy Patching Material

Restrictions on Use: No Data

### Supplier of the Safety Data Sheet including Address:

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

### Telephone Numbers

Company Phone Number

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

Emergency Telephone : ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards:

Suspected of causing cancer by inhalation of respirable crystalline silica, may cause damage to the lungs through prolonged or repeated exposure by inhalation, may cause eye or skin irritation due to mechanical action, dust may cause respiratory tract irritation, spillages may be slippery.

Target Organs: Lungs

#### GHS Classification:

Carcinogenicity – Category 2

Specific target organ toxicity – repeated exposure – Category 2, Respiratory System

Label Elements, including precautionary statements

Pictograms:



Signal Word: WARNING

### Hazard Statements:

H351 Suspected of causing cancer.

H373 May cause damage to lungs through prolonged or repeated exposure if inhaled.

## Precautionary Statement(s)

### Prevention:

- P201** Obtain special instructions before use.  
**P202** Do not handle until all safety precautions have been read and understood.  
**P260** Do not breathe dust/fume/gas/mist/vapours/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

- P308+P313** If exposed or concerned: Get medical advice/attention.  
**P314** Repeated Exposure: Get medical advice/attention if you feel unwell.

### Storage:

- P405** Store locked up

### Disposal:

- P501** Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified:** May cause eye or skin irritation due to mechanical action. Dust may cause respiratory tract irritation. Spillages may be slippery.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Component

Crystalline Silica in the form of Quartz	CAS#: 14808-60-7	>90%
Aluminum Oxide	CAS#: 1344-28-1	<5%
Titanium Dioxide	CAS#: 13463-67-7	<0.1%
Silicon Dioxide	CAS#: 7631-86-9	<0.1%
Iron Oxide	CAS#: 1317-37-1	<0.1%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First Aid Measures

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air and keep comfortable for breathing. Consult a physician if you feel unwell.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician if irritation persists.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Wash off with soap and plenty of water.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Material is Non-combustible. Use Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire.

**Specific Hazards Arising from the Chemical:** Avoid breathing dust.

**Hazardous Combustion Products:** None

**Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and full protective gear for firefighting.

**Further Information:** See Section 7 for safe handling and storage.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Avoid actions that cause the material to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment during any cleanup and response activities.

**Environmental Precautions**

Do not wash down sewage and drainage systems or into bodies of water.

**Methods and Material for Containment and Cleaning Up**

Place spilled material into a container. Scrape wet material and place in container. Dispose of according to Federal, State, Provincial and Local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Avoid contact with skin and eyes. Avoid inhalation of dust. Spillage may be slippery.

**Conditions for Safe Storage, Including any Incompatibilities**

**General information:** Store locked up. Keep bagged material dry until used. Stack bagged material in a secure manner to prevent falling. Bagged material is heavy and poses risks such as sprains and strains to the back, arms, shoulders and legs during lifting and mixing. Handle with care and use appropriate control measures.

**Incompatibilities:** Silica will dissolve in hydrofluoric acid and produce a corrosive gas – silicon tetrafluoride.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

**Component Exposure Limits**

Silica, Quartz CAS#: 14808-60-7 OSHA TWA 10 mg/m<sup>3</sup>, ACGIH TWA 0.025 mg/m<sup>3</sup>

**Appropriate Engineering Controls**

Local Ventilation: Recommended

General Ventilation: Recommended

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

## General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** Powder

**Color:** Natural Sand – Light Brown

**Odor:** None

**Odor threshold:** No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Relevant	
Vapor Density	Not Relevant	
Relative Density	Not Available	
pH (In Water)	Not Relevant	
Melting/Freezing Point	Not Relevant	
Solubility	Not Soluble in Water	
Evaporation Rate	Not Relevant	
Flash Point	Not Relevant	
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Relevant	
Decomposition Temperature	Not Available	
Viscosity	Not Relevant	
Specific Gravity	2.6 – 2.8	

## 10. STABILITY AND REACTIVITY

### Chemical Stability:

Stable.

### Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### Conditions to Avoid:

Keep dry until use. Avoid contact with incompatible materials.

### Incompatible Materials:

Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride. Silica will dissolve in hydrofluoric acid and produce a corrosive gas – silicon tetrafluoride.

### Hazardous Decomposition Products:

None known

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact

### Symptoms of Exposure:

Inhalation: Dust may cause respiratory irritation

Skin & Eyes: May cause eye or skin irritation due to mechanical action.

Ingestion: Not a likely route of exposure. Not likely to cause irritation.

**Numerical measures of toxicity:**

Acute Toxicity Value: Silica-LD50 oral rat 22,500 mg/kg

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Carcinogenicity:**

**IARC:** Group 1: Carcinogenic to humans (Quartz)

**ACGIH:** No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** Carcinogenic to humans (Quartz)

**OSHA:** No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Specific target organ toxicity:** Single exposure – No data available.

**Specific target organ toxicity:** Repeated exposure – Category 2, Respiratory System.

**Silicosis:** Silicosis is caused by the inhalation and retention of respirable crystalline silica dust.

**Simple Chronic Silicosis** - results from long-term exposure (more than 20 years) to low amounts of respirable crystalline silica. Nodules of chronic inflammation and scarring provoked by the respirable crystalline silica form in the lungs and chest lymph nodes. This disease may feature breathlessness and may resemble chronic obstructive pulmonary disease (COPD).

**Accelerated silicosis** – occurs after exposure to larger amounts of respirable crystalline silica over a shorter period of time (5-15 years). Inflammation, scarring, and symptoms progress faster in accelerated silicosis than in simple silicosis.

**Acute silicosis** – results from short-term exposure to very large amounts of respirable crystalline silica. The lungs become very inflamed and may fill with fluid, causing severe shortness of breath and low blood oxygen levels.

**12. ECOLOGICAL INFORMATION**

**Eco toxicity:**

Not expected to be hazardous to the environment.

**Persistence and Degradability:**

No Data Available

**Bioaccumulation:**

No Data Available

**Mobility:**

No Data Available

**Other Adverse Effects:**

No Data Available

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes:** This product is not expected to be a hazardous waste under RCRA. Place spilled material into a container. Scrape wet material and place in container. Dispose of according to Federal, State, Provincial and Local regulations.

**Contaminated Packaging:** Dispose of as unused material.

## 14. TRANSPORT INFORMATION

**D.O.T.:** Not a Dangerous Good

**I.A.T.A.:** Not a Dangerous Good

**I.M.D.G.:** Not a Dangerous Good

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### US Federal Regulations

**SARA 302:** None Known

**SARA 311/312 Hazard Categories:** Chronic Health Hazard

**SARA 313 Hazard Categories:** None Known

**CWA (Clean Water Act):** None Known

### Supplemental State Compliance Information

California:

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

Quartz CAS#:14808-60-7

New Jersey Right To Know

CAS Number	Component Name
14808-60-7	Quartz
13463-67-7	Titanium Dioxide

Pennsylvania Right To Know

CAS Number	Component Name
14808-60-7	Quartz
13463-67-7	Titanium Dioxide

Massachusetts Right To Know

CAS Number	Component Name
14808-60-7	Quartz
13463-67-7	Titanium Dioxide

**U.S. EPA Label Information:** No Data

## 16. OTHER INFORMATION

### **HMIS Classification:**

<b>Health hazard:</b>	<b>2*</b>
<b>Flammability:</b>	<b>0</b>
<b>Physical Hazards:</b>	<b>0</b>

### **NFPA Rating:**

<b>Health hazard:</b>	<b>2</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity Hazard:</b>	<b>0</b>

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**