

# Safety Data Sheet

## HARD-ROK JET PATCH

Created On: 03/10/2015  
 Revision Date: 03/08/2016  
 Version: 2.0

### 1. Product and Company Identification

**Product Name:** HARD-ROK JET PATCH

**Product Use:** Concrete Repair

**Company Identification:**  
 ADHESIVES TECHNOLOGY CORP.  
 450 East Copans Road  
 Pompano Beach, FL 33064  
 Contact Phone: 1.800.892.1880  
 (9:00a.m. – 5:00p.m. EST)

**Emergency Phone:**  
 Chem-Tel:  
 1.800.255.3924 (24hrs)

### 2. Hazards Identification

**GHS Classification**

Health	Physical	Environmental
Skin Irritant Cat 2 Serious Eye Irritation Cat 2A Carcinogen Cat 1A STOT Single Cat 3	Not Classified	Not Classified

GHS Label:

**Danger:**



Serious Eye Irritation  
 Skin Irritant



Carcinogen

**Emergency Overview**

Causes skin irritation  
 Causes serious eye irritation  
 May cause cancer  
 May cause respiratory irritation  
 Wash skin thoroughly after handling  
 Avoid breathing fume/gas/mist/vapors/spray  
 Wear protective gloves/ protective clothing/ eye protection/ face protection  
 Use outdoors or in a well-ventilated area

**Note: This product causes severe skin burns and eye damage when wet**

**Primary Route of Exposure**

Eyes, skin, oral and inhalation

**Carcinogenicity**

This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

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### 3. Composition/ Information on Ingredients

<u>CAS Number</u>	<u>Content%</u>	<u>Chemical Name</u>
65997-15-1	80 – 100	Portland Cement
13397-24-5	0.1 – 5	Calcium Sulfate
14808-60-7	0.1 – 5	Crystalline Silica
65997-16-2	0.1 – 5	Aluminum Cement

### 4. First Aid Measures

**Inhalation:** Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.

**Skin:** Remove contaminated clothing. Wash with mild soap and water. Get medical attention if skin irritation or dermatitis persists.

**Ingestion:** Give plenty of water. DO NOT induce vomiting. Call a physician immediately.

**Other:** Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If sensitization occurs, future contact with the material should be avoided.

### 5. Fire Fighting Measures

Flash Point: N/A

Flammable Limits: N/A

#### Extinguisher Media

Carbon Dioxide, Dry Chemical, Water Fog

#### Unusual Fire and Explosion Hazard

None known. Thermal Decomposition can be formed.

#### Special Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

### 6. Accidental Release Measures

#### Personal Precautions:

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

#### Environmental Precautions

Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

### 7. Handling and Storage

**Handling:** Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

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**Storage:** Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4 °C and 35 °C (40°F and 95° F).

### 8. Exposure Control and Personal Protection

#### Exposure Guidelines

Component	CAS#	OSHA PEL	TLV
Portland Cement	65997-15-1	15 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Quartz Silica Sand (Crystalline Silica)	14808-60-7	0.1 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>
Calcium Sulfate	13397-24-5	15 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>
Aluminum Cement	65997-16-2	5ppm	5ppm

**Engineering Measures:** Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

#### Personal Protective Equipment

##### **Respiratory Protection**

None normally required. Use a NIOSH approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up.

##### **Eye/Face Protection**

Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

##### **Skin / Body Protection**

Wear Suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure.

##### **Other Protective Clothing or Equipment**

Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

### 9. Physical and Chemical Properties

Appearance:	Grey powder
Evaporation Rate:	N/A
Odor:	Cement like
Solubility in Water:	Negligible
Specific Gravity(g/cc):	2.7 - 3.0
Vapor Density(air = 1):	N/A
Vapor Pressure:	N/A
VOC Content:	N/A
pH:	12 (when wet)
Boiling Point:	N/A

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### 10. Stability and Reactivity

Stability:	Stable
Thermal Decomposition:	Can yield CO, CO <sub>2</sub> and organic Nitrogen compounds.
Incompatibility:	Strong acids, peroxides, and other oxidizing agents
Conditions to avoid:	Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

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### 11. Toxicological Information

**Acute Oral Toxicity:**  
Not Determined

**Acute Dermal Toxicity:**  
Not Determined

**Acute Inhalation Toxicity:**  
Not Determined

**Skin Irritation:**  
Irritating

**Note: This product causes severe skin burns and eye damage when wet**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Eye Irritation:**  
Serious irritation to eyes.

**Note: This product causes severe skin burns and eye damage when wet**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Respiratory Irritation:**  
Inhalation of vapors or mists may cause irritation to the respiratory system.

**Sensitization:**  
May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

**Carcinogenicity Classification:**

**Quartz Silica Sand (Crystalline Silica):**

IARC Group1: Known human carcinogen based on human evidence.

NTP (National Toxicology Program) has classified Crystalline Silica as a known human carcinogen.

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**12. Ecological Information**

At the present state of knowledge, no negative ecological effects are expected. Past experiences have shown this material to have no harmful effect on the environment.

**13. Disposal Considerations**

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

**14. Transportation Information**

Not regulated

**15. Regulatory Information**

HMIS Rating	
Health	*1
Flammability	0
Physical Hazard	0
PPE	E



**Hazard Rating:** 0 = minimal, 1 = Slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations

SARA Title 311/312

CA Prop 65

TSCA

Chronic Health Hazard

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Listed

State Regulations:

State RTK  
 NJ, MA, PA

CAS#  
 65997-15-1  
 14808-60-7

Chemical Name  
 Portland Cement  
 Quartz Silica Sand (Crystalline Silica)



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**16. Other Information**

**Hazard Communication:** This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Additional information is available upon request.