MATERIAL SAFETY DATA SHEET

Section 1 – Product and Company Identification

Company Identification Adhesives Technology Corp. 450 East Copans Road Pompano Beach, FL 33064	Emergency Phone (800) 255 – 3924 (24 hours) CHEM-TEL Contact Phone (800) 892 – 1880 (9:00 a.m. – 5:00 p.m. EST)

Effective Date: 12/07/06	Print Date: 12/07/06	MSDS #: HRPG

Product Name: Hard Rok Precision Grout | **Prepared By:** Richard Boland (x107)

Chemical Family: Cementitious Product

Section 2 – Composition/Information on Ingredients

Hazardous Component	CAS #	% By Weight	PEL	TLV	STEL
Portland Cement	65997-15-1	30% – 70%	5 ppm	5 ppm	N/A
Silica Crystalline Quartz	7631-89-9	70% – 30%	0.1 ppm	0.1 ppm	N/A
Calcium Sulfate	13397-24-5	0% - 15%	N/A	5 ppm	N/A
Aluminum Cement	65997-16-2	0% - 70%	N/A	5 ppm	N/A

Section 3 – Hazards Identification

Signs and Symptoms of Exposure: Eyes: Irritation. Corneal injury is not expected. Skin: Irritation. Can cause defatting of skin, which may lead to dermatitis. Can cause itching, redness, swelling, etc. Inhalation: Nuisance dust may cause reversible respiratory problems; Often non-protecting exposure over TLV may result in silicosis.

Medical Conditions Aggravated by Exposure: Skin, eye, and respiratory conditions

Routes of Exposure: Inhalation, skin, ingestion

Carcinogenicity:
SILICA, QUARTZ - NTP - Listed On The National Toxicology Program, Listed In The IARC Monographs

Section 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 and get medical attention.

Skin: Wash with soap and water, consult physician if irritation persists.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. If victim is fully conscious, give one or two cups of water or milk to drink. Seek medical attention 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.

Section 5 – Fire Fighting Measures

Flash Point: N/A | **Flammable Limits:** N/A

Extinguisher Media: Use extinguishing agent suitable for type of surrounding fire and structure.

Special Fire Fighting Procedures: In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

Unusual fire and Explosion Hazards: None known.

Section 6 – Accidental Release Measures

Use dry clean up method that does not dispense material into the air. Do not breathe dust and avoid contact with eyes.

Section 7 – Handling and Storage

Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperature range in between 40º and 95º F. Keep out of reach of children. Keep containers tightly closed.

Section 8 – Exposure Control/Personal Protection

Respiratory Protection: A respirator protection program that meets 29 CFR 1910.134 requirements must be followed Whenever workplace conditions warrant a respirators use. In areas where the permissible …… exposures limits are exceeded, use a properly fitted NIOSH approved respirator.

Ventilation: General (natural or mechanical induced fresh air movements)

Eye Protection: Wear splash proof chemical goggles	
Protective Gloves: Cloth or impermeable (neoprene or rubber) gloves	
Other Protective Clothing or Equipment: Wear appropriate apparel to prevent skin contact	
Section 9 – Physical and Chemical Properties	
Appearance: Gray Powder	**Specific Gravity** 2.7 – 3.0
Odor: Low or no odor	**pH:** 12 when mixed with concrete
Boiling Point: N/A	**Vapor Density:** N/A
Vapor Pressure: N/A	**VOC Content:** 3.53 g/l (when mixed)
Solubility in Water: Negligible	**Evaporation Rate:** N/A
Section 10 – Stability and Reactivity	
Hazardous Polymerization: Will not occur	**Stability:** Stable
Incompatibility: None known	
Hazardous Decomposition Products: Silica will dissolve in hydroflouric acid and produce a corrosive gas - silicon tetraflouride.	
Conditions to Avoid: None known	
Section 11 – Toxicological Information	
For detailed toxicological information on the components of this material, contact the address listed in Section 1.	
Section 12 – Disposal Considerations	
Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.	
Section 13 – Transport Information	
Proper Shipping Name: Not regulated by the USDOT	
Section 14 – Regulatory Information	
Hazard Communication: This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.	
EPA Waste Code(s): Not regulated by EPA as a hazardous waste	
HMIS Codes: A: Health 2, Flammability 0, Reactivity 0, PPE B	
SARA Hazard Class: Acute Health Hazard, Chronic Health Hazard	
TSCA Inventory Status: Chemical components listed on TSCA inventory	
Abbreviations: PEL = OSHA Permissible Exposure Limit. **TLV** = ACGIH Threshold Limit Value. **C** = Ceiling. **STEL** = Short Term Exposure Limit. **NE** = None Established. **NA** = Not Applicable. **ppm** = parts per million	
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.	