



MSDS No: 28  
Rev Date: 5/18/10  
Rev No: 3

## 1 MATERIAL SAFETY DATA SHEET

**Product Name:** CHEM-STUD™ ADHESIVE ANCHOR CAPSULES  
**Description:** Self-contained, two part glass capsule adhesive system for installing chisel-pointed threaded rods and reinforcing bars in concrete and masonry.  
**Supplier:** Powers Fasteners, Inc. 2 Powers Lane, Brewster, NY 10509  
**Customer Service:** 800-524-3244  
**Emergency Phone:** (CHEMTREC) Within USA: (800) 424-9300; Outside USA: 01 (703) 527-3887

## 2 INGREDIENTS

	<u>CAS Number</u>	<u>ACGIH TWA</u>	<u>OSHA PEL</u>
Styrene Monomer	100-42-5	20ppm	100ppm
Proprietary acrylic monomers	TS	NE	NE
Quartz Sand	14808-60-7	NE	NE
Diisopropanol-P-toluidine	38668-48-3	NE	NE
Dicyclohexyl phthalate	84-61-7	NE	NE
Dibenzoyl peroxide			

**Abbreviations:** NE= Not established TS= Trade Secret of Supplier

## 3 SAFE USAGE RECOMMENDATIONS

**Ventilation:** Use with adequate ventilation, either natural or mechanical.

**Eye Protection:** Avoid eye contact. Wear safety glasses with side shields. Contact lenses should not be worn during use.

**Skin Protection:** Avoid skin contact. Wear neoprene or rubber gloves.

**Respiratory Protection:** To protect from dust and vapors, use an organic vapor mask or dust mask during drilling and product use.

**Notice:** For professional use. Keep away from children.

## 4 EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Immediately call a physician.

**Skin:** Wash with soap and water. Launder clothing before reuse. Seek medical attention if any symptoms develop.

**Inhalation:** If discomfort occurs, move to fresh air. Call a physician if symptoms develop.

**Ingestion:** Contact a physician immediately, and rinse mouth with water. Then drink 1-2 glasses of water. Do not induce vomiting unless directed by a physician.

**Other:** Contact a physician if there is any question about the seriousness of the exposure.

## 5 HEALTH HAZARD INFORMATION

**Potential Hazards:** Contents can be irritating to eyes, skin, respiratory system and digestive system. Use a NIOSH-approved, self contained breathing apparatus in confined spaces.

**Notice:** This product contains quartz sand mixed in liquid. In this form, the quartz sand does not present the usual inhalation hazard of dry quartz sand. Do not grind or sand fully cured adhesive without the use of a dust mask.

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## PHYSICAL CHARACTERISTICS

<b>Appearance and Odor:</b>	<b>Part A:</b> Mild-smelling amber liquid containing quartz sand in larger vial. <b>Part B:</b> Mild-smelling white paste in inner vial.		
<b>Boiling Point:</b>	>290 F		
<b>(Air=1) Vapor Density:</b>	>1	<b>VOC Content:</b>	0.0 g/l
<b>(Water=1) Evaporation Rate:</b>	<1	<b>pH:</b>	NE
<b>Specific Gravity:</b>	1.6	<b>Solubility in Water:</b>	Insoluble
<b>VOC Content:</b>	0.0 g/l	<b>Odor:</b>	Mild aromatic

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## FIRE, HAZARD AND REACTIVITY DATA

<b>Flammability:</b>	Class 1C Flammable	<b>Flash Point:</b>	<95° F (35° C) Boiling Point: >290° F (>143° C)
<b>Stability:</b>	Stable. Hazardous polymerization will not occur.		
<b>Incompatibility:</b>	Strong acids and oxidizers.		
<b>Unusual fire or Explosion Hazards:</b>	None Known.		
<b>Extinguishing Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam, Water spray.		
<b>Fire Fighting:</b>	Self-contained breathing equipment recommended.		
<b>Thermal Decomposition Products:</b>	May occur, including Co <sub>x</sub> and No <sub>x</sub>		

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## TRANSPORTATION AND REGULATORY INFORMATION

<b>Hazard Communication:</b>	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910. 1200.		
<b>HMIS Codes:</b>	Health: 2, Flammability: 3, Physical Hazard: 2, PPE: B Flash Point: <95° F (35° C)		
<b>US DOT Proper Shipping Name:</b>	Consumer Commodity. ORM-D		
<b>Canadian TDGR Proper Shipping Name:</b>	RESIN SOLUTION UN 1866 Class: 3 PG: III		
<b>IATA/ICAO Proper Shipping Name:</b>	RESIN SOLUTION UN 1866 Class: 3 PG: III		
<b>Packing Instructions:</b>	Passenger aircraft: Y309 or 309 Cargo aircraft only: 310		
<b>IMO/IMDG Proper Shipping Name:</b>	RESIN SOLUTION UN 1866 Class: 3 PG: III		
<b>TSCA Inventory Status:</b>	Chemical components listed on TSCA inventory.		
<b>SARA Title III, Section 313:</b>	This product contains chemicals which require reporting under Section 313 of SARA Title III (40 CFR Part 372).		
<b>EPA Waste Code(s):</b>	Dibenzoyl peroxide is considered a hazardous waste.		
<b>Waste Disposal Method:</b>	Dispose of container and unused contents in accordance with all applicable regulations.		

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## STORAGE, CLEAN-UP, AND DISPOSAL

<b>Storage:</b>	Store in a cool, dry place. Keep from freezing and extreme heat, which may shorten product shelf life.
<b>Spills:</b>	Collect spilled contents with absorbent material and place in a sealable container for proper disposal.
<b>Waste Disposal:</b>	Dispose of in accordance with federal, state and local regulations.

The information and recommendations provided herein are based on information available to us at the time of preparation. We make no other warranty, expressed or implied, as to its correctness, completeness, or as to the results and reliance of the information.

