



Concrete Restoration Products

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CRP CLEAR GLAZE

**Product Use:** Concrete Sealer (Solvent Based)

#### Manufacturer/Supplier

Concrete Restoration Products  
1772-J Avenida de los Arboles,#395  
Thousand Oaks, CA 91362  
Web: www.concreterestorationproducts.com  
Fax Number: (714) 525-9733

#### Medical Emergency:

CHEMTREC (USA (800) 424-9300  
CHEMTREC (International): (703) 527-3887  
MSDS Assistance: (714) 525-9033  
Technical Assistance: (714) 525-9033  
Customer Service: (714) 525-9033

### 2. COMPONENT INFORMATION

#### OCCUPATIONAL EXPOSURE LIMITS

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV	MFG TLV	Vapor Pressure mm Hg @ Temp
Acetone	62-64-1	1000 ppm			24.7 kPa@68°F/20°C
Parachlorobenzotrifluoride	98-56-6	N/E			1.01 kPa@77°F/20°C
1,Methoxy-2-Propyl Acetate	108-65-6	100 ppm			3.70 mmHg@68°F/20°C

\*Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
Information concerning non-hazardous ingredients is considered a trade secret.

### 3. HAZARDS IDENTIFICATION

#### Emergency and Hazards Overview:

Flammable liquid with a solvent odor. Vapors are heavier than air and may travel to distant sources of ignition and flash back. Harmful if swallowed or inhaled. Overexposure to vapors may cause dizziness, headache, central nervous depression and permanent injury. May cause irritation to eyes, skin and respiratory tract.

#### Ratings

Health 2 Flammability 3 Reactivity 1

**Primary Route of Exposure:** Skin x Inhalation x Eye x Ingestion x

#### Health Effect Information

**Eye Contact:** May cause eye irritation if wiped or rubbed into eyes.

**Skin Contact:** May cause skin irritation if wiped or left on the skin

**Inhalation:** May cause irritation of nose, throat, and respiratory tract. At very high concentrations breathing vapors may cause pulmonary edema, anorexia, nausea and vomiting.

**Ingestion:** Ingestion may cause symptoms similar to those of inhalation. Aspiration of material into lungs is the greatest hazard.

**Medical Conditions Aggravated by Exposure:** Prolonged exposure to solvents may aggravate allergic reactions to nose, throat and lungs. Prolonged skin contact may lead to irritation or dermatitis resulting in itching, redness and rash.

### 4. FIRST AID INFORMATION

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. Call a physician.

**Skin Contact:** Wash skin thoroughly with soap and water. Clean under fingernails. Immediately remove contaminated clothing. Wash clothing before use. Call a physician if irritation develops.

**Inhalation:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention immediately.

**Ingestion:** If swallowed get medical attention immediately. Do not induce vomiting. Decision to induce vomiting should only be made by a physician. Never give anything by mouth to an unconscious person.

**Notes to Physician:** This product contains acetone and petroleum solvents.

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## 5. FIRE AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: -4°F (-20°C)

Test Method: TCC

Flame extension: NA

Test Method: NA

Flammable Limits in Air

Upper Percent: 7%

Lower Percent: 1%

Auto ignition Temperature: NA

Test Method: NA

**NFPA Classification:** H 2 F 3 R 1

**Extinguishing Media:** Co<sub>2</sub>, foam or dry chemicals.

### Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** Wear NIOSH/OSHA approved, self-contained breathing apparatus and full protective gear. Containers should be kept cool with water spray. Liquid and vapor may settle in low areas or travel along ground to ignition sources where they may ignite or explode and flash back.

**Unusual Fire and Explosion Conditions:** Vapors may be ignited by heat or sparks. Heat-exposed containers may burst. Material may collect static charges which can cause an incendiary electrical discharge. Empty container contains product residues. Do not pressurize, cut, weld, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.

**Hazardous Combustion By-Products:** CO, CO<sub>2</sub>, NO<sub>x</sub>.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Immediately evacuate all non-essential personnel to safe places. Emergency responders should wear proper protective gear before entering the affected area. Observe all precautions noted above.

**Regulatory Notifications:** Waste of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

**Containment and Clean up:** Remove all sources of ignition. Avoid sparks, flames, heat and smoking.

Ventilate. Stop leak if possible without risk. Do not use metal shovels or other tools which could create sparks.

Prevent liquids from entering sewers, drains or waterways by diking with sand or earth. Absorb with vermiculite or other absorbent material. Area may be rinsed with water but do not allow into sewer or waterways.

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Eliminate all ignition sources. Provide good ventilation. Caution to be taken if the applied product is likely to be ground or sanded as this may generate hazardous dusts. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

**Storage:** Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, open flames, electrical equipment, welding torches, pilot lights, etc. Store at 10-30° C. When pouring ground container and transfer equipment to eliminate static electric sparks.

### Empty Container Warnings

**Drums:** Do not reuse empty drums or containers. Do not cut, drill, grind or weld on or near the empty drums.

**Plastic:** Not applicable

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Acetone	67-64-1	1000 ppm,(vapor) OSHA (TWA)
1,Methoxy-2-Propyl Acetate	108-65-6	100 ppm, (vapor) OSHA (TWA)
Parachlorobenzotrifluoride	98-56-6	N/E

### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles

**Skin Protection:** Use solvent resistant gloves.

**Respiratory Protection:** Provide adequate ventilation to maintain vapors below TLV/TWA, use SCBA (Self-contained breathing apparatus). During and after application use CCR (Chemical Cartridge Respirator).

**Personal Hygiene:** Avoid rubbing eyes during handling. Use good personal hygiene practices to avoid incidental ingestion.

**Engineering Controls/Work Practices**

**Ventilation:** Provide local exhaust and sufficient ventilation to maintain airborne concentration of vapors below TLV/TWA.

Use explosion proof ventilation equipment. Take care not to draw vapors into non-explosion proof or spark generating equipment.

**Other:** Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating, smoking and using toilet.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> Colorless thin liquid	<b>Octanol/Water Coefficient:</b> Log $K_{ow}$ = NA
<b>Odor:</b> Typical solvent odor	<b>Vapor Pressure:</b> <10 mm Hg@ 20°C
<b>Physical state:</b> Thin liquid	<b>Vapor Density (air=1):</b> > air
<b>PH:</b> Not applicable	<b>Percent Volatile by Volume:</b> 70-80
<b>DOT Corrosivity:</b> Not applicable	<b>Volatile Organic Content:</b> 100 gm/liter
<b>Boiling Point:</b> 170° F	<b>Molecular Weight:</b> NA
<b>Melting Point:</b> NA	<b>Average Carbon Number:</b> NA
<b>Specific Gravity:</b> 0.93	<b>Viscosity @ 100F:</b> NA
<b>Pour Point:</b> NA	<b>Viscosity@ 40C:</b> NA
<b>Solubility in Water:</b> slightly soluble in water	

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**10. STABILITY AND REACTIVITY INFORMATION**

**Chemical Stability:** Stable under normal conditions. Avoid heat, sparks, flames

**Conditions to Avoid:** Avoid heat, sparks, flames.

**Incompatible Materials to Avoid:** Avoid contact with strong mineral acids, strong alkalis and amines.

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**11. TOXICOLOGICAL INFORMATION (will only print available data)**

**Primary Eye Irritation:** Irritating

**Primary Skin Irritation:** Irritating

**Acute Dermal Toxicity:** NA

**Subacute Dermal Toxicity:** NA

**Dermal Sensitization:** NA

**Inhalation Toxicity:** Product toxicity has not been determined.

**Inhalation Sensitization:** NA

**Oral Toxicity:** Product toxicity has not been determined.

**Reproductive Toxicity:** NA

**Teratogenicity:** NA

**Immunotoxicity:** NA

**Neurotoxicity:** NA

**Other:** NA

**No other toxicological information available**

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**12. ECOLOGICAL INFORMATION**

**Aquatic Toxicity:** Not known.

**Terrestrial Toxicity:** Not known

**Chemical Fate and Transport:** Not known.

**No other ecological information available**

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**13. DISPOSAL INFORMATION**

**Regulatory Information:** Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal.

**Waste Disposal Methods:** Mix the chemical with an inert material such as sand, vermiculite, etc. and place in a suitable container. Dispose of in accordance with Local Authority requirements.

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**14. TRANSPORTATION INFORMATION**

**U.S. Department of Transportation (DOT)**

**Highway/Rail (Bulk):** Flammable liquid

**Highway/Rail (Non-Bulk):** PGIII (contains aromatic and aliphatic hydrocarbon solvent), UN 1263

**The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.**

**International Information**

**Vessel: IMDG Regulated:** Class 3.2      IMDG Not Regulated  
**Air: ICAO Regulated:** Class 3      ICAO Not Regulated  
**Other:** No other information available

**15. REGULATORY INFORMATION****Regulatory Lists**

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory or exempt from listing on the TSCA Inventory.

**SARA 311/312 Categories**

**Acute:** Yes    **Chronic:** Yes    **Fire:** Yes    **Pressure:** Yes    **Reactive:** Yes

**Sara Section 313:** This product contains the following Sara, Title III, Section 313 Chemicals:

Chemical	CAS Number	Percent in Product
N/A	N/A	N/A

**Regulatory Lists Searched**

**Health & Safety:** NA

**Environmental:** NA

**International:** NA

**State:** FL, MA, MN, PA, RI

**National Inventories:** NA

**California Proposition 65 Information: Notice:** This product may contain chemicals known to the State of California to cause developmental toxicity.

Chemical	CAS Number	Percent in Product
N/A	N/A	N/A

**Canadian WHMIS Classification**

**Class:** B

**Division:** 2

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

**Other Regulations:** No other information available

**16. OTHER INFORMATION****Health and Environmental Label Language**

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

HMIS ratings – Health: 2      Flammability: 3      Reactivity: 1      Personal Protection: G

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. This data and information is furnished upon the condition that the person receiving it shall make his own determination of the conditions for safe use of this product.

Legend: N.A. – Not Applicable, N.E. – Not Established, N.D. – Not Determined, ND. –No Data

**MSDS Revisions**

**Previous Version Date:** 12/30/07

**Preparation Date:** 3/25/09