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 SEALERS: Solvent, Water-based, Low VOC

SAFETY DATA SHEET
ORIGINAL DATE: 08-21-2024
REV. DATE: -- -- ----

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: CRU-P75 PART-B
PRODUCT CODES: 2004-CRU75
PRODUCT USE: Coatings Material
MANUFACTURER: Granicrete International
ADDRESS: 4602 S 36th St, Phoenix, AZ 85040 **PHONE:** (602) 438-9464
24-7 EMERGENCY PHONE WITH PERS: 800-633-8253

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION	<u>Category</u>	GHS PICTOGRAM
Skin Sensitization	1	
Flammable Liquids	1	
Skin Irritation	4	
Eye Irritation	3	

Signal Word	DANGER
Appearance	Clear Viscous Liquid
Physical State	Liquid
Odor	Solvent
Hazard Statements:	H332: Harmful if inhaled H317: May cause an allergic skin reaction H319: Causes serious eye irritation H335: May cause respiratory irritation H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary Statements:	P202: Do not handle until all safety precautions have been read and understood. P223: Keep container tightly closed. P102: Keep out of reach of children.
Prevention Statements:	P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P264: Wash skin thoroughly after handling. Do not eat, drink or smoke when using product. P272: Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response Statements:	P301: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304: IF INHALED: Remove victim to fresh air and keep comfortable for breathing. P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P311: Call a POISON CENTER or doctor/ physician if you feel unwell. P362: Take off contaminated clothing and wash before reuse. P337: If skin irritation or rash occurs: Get medical advice/ attention. P337+313: If eye irritation persists: Get medical advice/ attention. P370+378: In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.

Storage Requirements:

P403+233: Store in a well-ventilated cool place. Keep container tightly closed. Store locked up.

Disposal Requirements:

P501: Dispose of contents/ container to local and regional waste disposal requirements.

Hazards not otherwise classified:

Combustible
Severe eye irritant
Severe respiratory irritant
May cause sensitization by skin

SECTION 3: COMPOSITION - INGREDIENTS

COMPONENT	CAS #	% BY WEIGHT
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	70-100
Hexamethylene-di-isocyanate	822-06-0	<0.9

Note: This product may contain additional ingredients that are proprietary, or non-hazardous, or in small concentration not meeting disclosure requirements.

SECTION 4: FIRST-AID MEASURES**General Advice**

Move out of dangerous area. Consult a physician with this SDS. Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately..

Eye Contact

Immediately flush eyes with plenty of water for at least 20 minutes

Skin Contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water for at 20 minutes. Get medical attention if irritation develops or persists.

Inhalation

Move to fresh air and keep at rest in a position comfortable for breathing. If not breathing or breathing is irregular, provide artificial respiration or give oxygen by trained personnel. Get medical attention immediately.

Ingestion

Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Rinse mouth with water. Get medical attention immediately. Repeated and/or prolonged exposure.

Most Important Symptoms/Effect, Acute and Delayed

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, eye disease, skin disorders, allergies, asthma, and neurological disorders.

Immediate Medical Attention and Special Treatment

Note to Physicians: Application of corticosteroid cream has been effective in treating skin irritation.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Specific Hazards from Substances of Mixture

Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated. Use personal protective equipment.

Special Protective Equipment for Fire Fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further Information

Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, Emergency Producers

Wear suitable protective clothing, gloves, and eye/face protection. Avoid breathing vapors/mist/gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and Materials for Containment and Cleaning-Up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Put on appropriate personal protective equipment before handling. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for Safe Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hygiene Practice

Eating, drinking, and smoking should be prohibited in areas where this material is handled. Wash hands thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Hexamethylene –di-isocyanate (CAS: 822-06-0) Threshold Limit Value: ACGIH 0.005ppm
National Institute for Occupational Safety and Health

Engineer Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below recommended exposure limits.

Wear appropriate personal protective equipment where such systems are not effective to perform satisfactorily and meets OSHA or other recognized standards. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protection Equipment

Eye/Face Protection

Tightly fitted safety goggles.

Face shield (8-inch minimum).

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands after handling or before eating, drinking, or smoking.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Impervious clothing. Closed-toe shoe.

Flame retardant antistatic protective clothing.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewers or waterways.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous liquid	
Color	Clear	
Odor	Solvent	
Odor Threshold	No data available	
pH	No data available	
Melting Point / Freezing Point	No data available	
Boiling Point/Range	No data available	
Flash Point / Evaporation Rate	No data available	
Flammability (solid/gas)	No data available	
Upper/lower Flammability Limit / Vapor Pressure	No data available	
Vapor Density	No data available	
Relative Density	1.175 g/cm ³ at 77°F (25°C)	
Water Solubility	<0.1 g/L	
Partition Coefficient: n-octanol/water	No data available	
Auto-Ignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	50-150 CPS at 77°F (25°C)	
Explosive Properties	No data available	
Oxidizing Properties	No data available	VOC = 0 g/L

SECTION 10: STABILITY AND REACTIVITY

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Control Parameters	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	Heat, flames, sparks, and oxidizing agents
Incompatible Materials	Reactive metals (Sodium, Calcium, Zinc, etc.) Materials reactive with hydroxyl compounds Organic acids (acetic acid, citric acid, etc.) Mineral acids Sodium hypochlorite Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents
Hazardous Decomposition Products	Nitric acid, Ammonia Nitrogen oxides (NO _x) Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide, Carbon dioxide (CO ₂) Aldehydes Flammable hydrocarbon fragments In the event of fire: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure

Eye Contact	Cause eye irritation
Skin Contact	Cause skin irritation
Inhalation	No data available
Ingestion	No data available

Symptoms Related to Physical, Chemical, and Toxicological Effects

Eye Contact	Cause eye irritation
Skin Contact	Cause skin irritation
Inhalation	Stomachache, nausea, vomiting
Ingestion	Dullness, vision disorder, blindness

Chronic Toxicity / Effects from Long Term Exposure

Sensitization	Skin sensitizer
Germ Cell Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity	No data available
Specific Target Organ Systemic Toxicity (Single Exposure)	No data available
Specific Target Organ Systemic Toxicity (Repeated Exposure)	No data available

Products Numerical Measures of Toxicity Not determined

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Life	No data available
Persistence and Degradability	No data available
Bio accumulative Potential	No data available
Mobility in Soil	No data available
Results of PBT and vPvB Assessment	No data available as chemical safety assessment not required/not conducted.

Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste/Unused Products

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

This product should not be allowed to enter drains, water courses or the soil.

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contact supplier if guidance is required.

Contaminated Packaging

Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: TRANSPORTATION INFORMATION

DOT (US)	Not Dangerous Goods
IMO/IMDG	Not Dangerous Goods
ICAO/IATA	Not Dangerous Goods

SECTION 15: REGULATORY INFORMATION

UNITED STATES

TSCA 8 (b) Inventory Status

All Components are listed or exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification

None above reporting de minimus

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	Yes

California Prop. 65 Components

This product may contain chemical known to the State of California to cause birth defects or other reproductive harm.

CANADA

CEPA DSL/NDSL Status All components are listed or exempt from listing on the Domestic Substances List.

SECTION 16: OTHER INFORMATION

HMIS Rating

Health Hazard	2
Flammability	1
Physical Hazard	0

NFPA Rating

Health Hazard	2
Fire Hazard	1
Reactivity Hazard	0

Disclaimer

Disclaimer: The information contained herein is considered accurate; however, Granicrete International, makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.