



MATERIAL SAFETY DATA SHEET – MSDS

Rapid Set® CEMENT ALL®

Date Issued: 26-July-2013

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Supplier

CTS Cement Manufacturing Corp.
11065 Knott Ave., Suite A
Cypress, CA 90630, United States
Telephone Number: 800-929-3030
FAX Number: 714-379-8270
Email: info@ctscement.com
Website: www.ctscement.com

Manufacturer

CTS Cement Manufacturing Corp.
11065 Knott Ave., Suite A
Cypress, CA 90630, United States
Telephone Number: 800-929-3030
FAX Number: 714-379-8270
Email: info@ctscement.com
Website: www.ctscement.com

Health	1
Fire	0
Reactivity	0
Personal Protection	E

Supplier Emergency Contact

1-714-379-8260

Manufacturer Emergency Contact

1-714-379-8260



Product Name: Rapid Set Cement All
CAS Number: N/A
Chemical Family: Cementitious Mortar

MSDS Number:
Product Code:

SECTION 2 – COMPONENT INFORMATION

Ingredient (Specific Chemical Identity, Common Name)	CAS Number	% of Total Weight
Calcium Sulfoaluminate Cement	960375-09-1	40-60
Silica Sand	14808-60-7	40-60
Sodium Sulfate	7757-82-6	0-4
Methanol	50-00-0	0-0.1

SECTION 3 – HAZARDOUS INFORMATION

Primary Route(s) of Entry	Inhalation, skin, eye, ingestion
Inhalation Hazards	May cause respiratory tract, nose, throat, and lung irritation and inflammation.
Skin Hazards	May irritate skin causing drying, redness, rash, and blistering. When mixed with water, a high alkali material is produced which can cause severe skin burns. Individuals may develop allergic dermatitis.
Eye Hazards	May severely irritate eyes. May develop inflammation of the cornea.
Ingestion Hazards	May be caustic to mucus tissue.
Chronic Exposure	Individuals may develop allergic dermatitis, inflammation of the cornea, and inflammation of the nose, throat, and lungs. May cause carcinogenic effects.
Carcinogenic Effects	May contain crystalline silica, a known Human Carcinogen (Group 1) that can cause silicosis and cancer. Exposure to crystalline silica may also increase the risk of scleroderma, tuberculosis, and kidney disorders.





SECTION 4 – FIRST AID INFORMATION

Inhalation	Remove the individual to fresh air. If irritation persists, get medical attention immediately.
Skin	Flush with water immediately. If irritation persists, get medical attention immediately.
Eye	Flush eyes with plenty of water. If irritation persists, get medical attention immediately.
Ingestion	If conscious, drink plenty of water, Do not induce vomiting. Get medical attention immediately.

SECTION 5 – PHYSICAL & CHEMICAL PROPERTIES

Boiling Point	>2700°F
Specific Gravity	2.7 to 3.1
Melting Point	>2700°F
Vapor Pressure (mm Hg)	None
Vapor Density (AIR = 1)	None
Evaporation Rate	None
Solubility in Water	Slight
Appearance and Odor	Beige color powder. May contain sand and rock particles. Odor N/A.

SECTION 6 – FIRE & EXPLOSION PROPERTIES

Flash Point	Non-Combustible
Flammable Limits	N/A
LEL	N/A
UEL	N/A
Extinguishing Media	Water spray carbon dioxide foam dry powder
Special Fire Fighting Procedures	None

SECTION 7 – REACTIVITY INFORMATION

Stability	Stable
Conditions to Avoid	Unintended contact with water
Hazardous Polymerization	Will not occur
Hazardous Decomposition or Byproducts	Silica mixed with hydrofluoric acid may produce a corrosive gas.
Incompatible Materials	When mixed with water, may be highly alkali. Incompatible with acids, ammonium and salts. Avoid contact of silica with powerful oxidizing agents and acids.





SECTION 8 – ACCIDENTAL RELEASE MEASURES

Use a dust-free method to clean up spills. Use the appropriate personal protective equipment.

SECTION 9 – HANDLING AND STORAGE

Waste Disposal Method	Use appropriate disposal facility complying with local regulations. Not classified as hazardous waste under RCRA or CERCLA. Do not create dust.
Handling and Storage Precautions	Use proper personal protective equipment. Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid unintentional contact with water.

SECTION 10 – EXPOSURE CONTROL MEASURES

Engineering Controls	Use with adequate ventilation to control airborne dust levels.												
Eye Protection	Safety glasses with side shields or goggles are recommended.												
Skin Protection	Impervious gloves, boots and clothing are recommended to protect the skin from contact.												
Respiratory Protection	In dusty environments, an OSHA, MSHA or NIOSH approved respirator is recommended.												
Hygienic Practices	After handling, thoroughly wash hands and exposed skin with soap and water.												
Exposure Limits	<table border="0"> <tr> <td style="padding-left: 20px;">Hydraulic Cement</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">ACGIH TLV</td> <td>10 mg/m³</td> </tr> <tr> <td style="padding-left: 40px;">OSHA PEL (8 hour TWA)</td> <td>50 million particles per cubic ft Crystalline Silica (Quartz)</td> </tr> <tr> <td style="padding-left: 40px;">OSHA PEL (8 hour TWA)</td> <td>50 million particles per cubic ft Crystalline Silica (Quartz)</td> </tr> <tr> <td style="padding-left: 40px;">ACGIH TLV</td> <td>0.05 mg/m³ (total), 0.05 mg/m³ (respirable)</td> </tr> <tr> <td style="padding-left: 40px;">OSHA PEL</td> <td>30 mg/m³ / (%SiO₂) mg/m³ (total), 10 mg/m³ / (%SiO₂) mg/m³ (respirable)</td> </tr> </table>	Hydraulic Cement		ACGIH TLV	10 mg/m ³	OSHA PEL (8 hour TWA)	50 million particles per cubic ft Crystalline Silica (Quartz)	OSHA PEL (8 hour TWA)	50 million particles per cubic ft Crystalline Silica (Quartz)	ACGIH TLV	0.05 mg/m ³ (total), 0.05 mg/m ³ (respirable)	OSHA PEL	30 mg/m ³ / (%SiO ₂) mg/m ³ (total), 10 mg/m ³ / (%SiO ₂) mg/m ³ (respirable)
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SECTION 11 – TOXICOLOGY INFORMATION

Toxicity to Animals	<p>LC50 Leuciscus idus: >56 g/l</p> <p>EC 10 Pseudomonas putida: 180 g/l</p> <p><i>A high pH material is produced when mixed with water.</i></p>
Chronic Effects on Humans	May contain silica sand, a known carcinogen. May aggravate eye, skin, and respiratory conditions.

SECTION 12 – ECOLOGICAL INFORMATION

No Data Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Not classified as hazardous waste under the Resource Conservation and Recovery Act and the Comprehensive Environmental Response, Compensation, and Recovery Act





SECTION 14 – TRANSPORTATION INFORMATION

Not determined to be hazardous under the U.S. Department of Transportation. Not Regulated by DOT.

SECTION 15 – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200	May be considered hazardous and should be included in the employers' hazardous communication program.
SARA Section 313 Notification	Not subject to reporting requirements.
Proposition 65 Warning	This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Key/Abbreviations	ACGIH	American Conference of Government Industrial
	CAS	Chemical Abstract Service
	CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
	DOT	Department of Transportation
	LEL	Lower Exposure Limit
	MSHA	Mine Safety and Health Administration
	N/A	Not Applicable
	NIOSH	National Institute for Occupational Safety and Health
	OSHA	Occupational Safety and Health Administration
	RCRA	Resource Conservation and Recovery Act
	SARA	Superfund Amendments and Reauthorization Act
	UEL	Upper Exposure Limit

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