



## MATERIAL SAFETY DATA SHEET - MSDS

## RAPID SET® Fast

Date Issued: 01-Jan-2010

## SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Supplier**

CTS Cement Manufacturing Corp.  
11065 Knott Ave., Suite A  
Cypress, CA 90630, United States  
Telephone Number: 714-379-8260  
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: 714-379-8260  
FAX Number: 714-379-8270  
Email: info@ctscement.com  
Website: www.ctscement.com

Health	2
Fire	0
Physical Hazard	0

**Supplier Emergency Contact**

1-714-379-8260

**Manufacturer Emergency Contact**

1-714-379-8260

**Product Name:** Rapid Set Fast**CAS Number:** 10043-01-3**Chemical Family:** Al<sub>2</sub>SO<sub>4</sub>**MSDS Number:** \*\*\*\*\***Product Code:** \*\*\*

## SECTION 2 – COMPONENT INFORMATION

**Ingredient (Specific Chemical Identity, Common Name)****CAS Number****% of Total Weight**

Aluminum Sulfate

10043-01-3

60-100

## SECTION 3 – HAZARDOUS INFORMATION

**Primary Route(s) of Entry:**

Skin, Eye, Ingestion, Inhalation

**Inhalation Hazards:**

Causes Irritation to respiratory tract which induces coughing, shortness of breath.

**Skin Hazards:**

May irritate skin.

**Eye Hazards:**

May irritate eyes inducing redness and pain.

**Ingestion Hazards:**

Causes irritation to gastrointestinal tract inducing nausea, vomiting, and diarrhea. May cause death if ingested past 30 grams.

**Chronic Exposure:**

N/A



**Carcinogenic Effects:** N/A

#### SECTION 4 — FIRST AID INFORMATION

**Inhalation:** N/A

**Skin:** Flush with water immediately for 15 minutes. If irritation persists, get medical attention immediately.

**Eye:** Flush eyes with plenty of water or eye wash for 15 minutes, lifting upper and lower eyelids. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Give large quantities of water. Get medical attention immediately.

#### SECTION 5 — PHYSICAL & CHEMICAL PROPERTIES

**Boiling Point:** N/A

**Specific Gravity:** 1.69

**Melting Point:** 189°F

**Vapor Pressure (mm Hg):** None

**Vapor Density (AIR = 1):** None

**Evaporation Rate:** None

**Solubility in Water:** 87 g/100 cc water @ 0°C

**Appearance and Odor :** White, Powder; Odor: N/A

#### SECTION 6 — FIRE & EXPLOSION PROPERTIES

**Flash Point :** N/A

**Flammable Limits:** Not self-igniting

**LEL:** N/A

**UEL:** N/A

**Extinguishing Media:** Water can cause formation of sulfuric acid

**Special Fire Fighting Procedures:** Avoid inhalation of vapors. Use self contained breathing apparatus with full facepiece.

#### SECTION 7 — REACTIVITY INFORMATION

**Stability:** Stable

**Conditions to Avoid:** Moisture and incompatible materials.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition or Byproducts:** Hydrolyzes to form dilute sulfuric acid. Toxic and corrosive oxides of sulfur may be formed when heated

**Incompatible Materials:** Corrosive to metals in presence of water.

#### SECTION 8 — ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protection equipment. Pick up and place spills in suitable containers. Do not generate dust. Cover spill with sodium bicarbonate or soda ash and mix. US Regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess quantities. Dispose materials in accordance with all state, federal, and governmental regulations.



## 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:** Keep away from sources of heat and ignition. Keep in dry and cool area. Avoid contact with eyes. Wear suitable clothing. Keep away from oxidizing agents, reducing agents, acids, bases.

## SECTION 10 — EXPOSURE CONTROL MEASURES

**Engineering Controls:** N/A

**Eye Protection:** Use chemical 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:** A half respirator may be worn for up to ten times the exposure limit. A full face piece respirator may be used up to 50 times the exposure limit.

**Hygienic Practices:** After handling, thoroughly wash hands and exposed skin with soap and water.

**Exposure Limits:** OSHA PEL: 15 mg/m<sup>3</sup> total dust and 5 mg/m<sup>3</sup> respirable fraction for Aluminum; ACGIH TLV 1 mg/m<sup>3</sup> respirable fraction

## SECTION 11 — TOXICOLOGY INFORMATION

**Toxicity to Animals:** LD50/mouse: 6207 mg/kg; Irritation eyes rabbit: 10 mg/24H severe; LD50: >9 gm/kg – 18- Hydrate

**Chronic Effects on Humans:** N/A.

## SECTION 12 — ECOLOGICAL INFORMATION

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

## SECTION 14 — TRANSPORTATION INFORMATION

Not determined to be hazardous under the U.S. Department of Transportation. Not Regulated by USDOT, IMDG, and IATA/ICAO.

## SECTION 15 — OTHER REGULATORY INFORMATION

**Aluminum Sulfate CAS# 10043-01-3**

**TSCA:** Yes

**EC:** Yes

**Japan:** Yes

**Aus:** Yes

**Korea:** Yes



DSL: Yes  
NDSL: No  
Phil: No

Sara 302  
RQ: No  
TPQ: No

Sara 313  
List: No  
Chemical Catalog: No

CERCLA : 5000

Sara 311/312: Acute: Yes Chronic: No

#### SECTION 16 — OTHER INFORMATION

**HMIS (U.S.A.):**  
**Health Hazard:** 0  
**Fire Hazard:** 1  
**Reactivity:** 0

**Protective Equipment:** Gloves (impervious).Lab coat. Safety glasses.

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