KSC Type-K

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 | 1

Supplier Emergency Contact
1-714-379-8260

Manufacturer Emergency Contact
1-714-379-8260

Product Name: KSC Type-K
CAS Number: N/A
Chemical Family:

SECTION 2 — COMPONENT INFORMATION

<table>
<thead>
<tr>
<th>Ingredient (Specific Chemical Identity, Common Name)</th>
<th>CAS Number</th>
<th>% of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulfoaluminate Cement</td>
<td>960375-09-1</td>
<td>10 – 40%</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>50 - 90%</td>
</tr>
</tbody>
</table>

SECTION 3 — HAZARDOUS INFORMATION

Primary Route(s) of Entry: Inhalation, Skin, Ingestion

Inhalation Hazards: May cause respiratory tract, nose, throat, and lung irritation and inflammation. In case of prolonged exposure: risk of sore throat, nose bleeds, chronic bronchitis

Skin Hazards: May irritate skin causing drying, redness, rash, and blistering. When mixed with water, a high alkaline material is produced which can cause severe skin burns. Individuals may develop allergic dermatitis.

Eye Hazards: May severely irritate eyes and redness. Risk of temporary eye lesions

Ingestion Hazards: Sever irritation of mouth, throat, esophagus, and stomach. Nausea, vomiting and abdominal cramps may occur.

Chronic Exposure: Individuals may develop allergic dermatitis, inflammation of the cornea, and inflammation of the nose, throat, and lungs.
Carcinogenic Effects: During manufacturing of a Hydraulic Cement, small traces of insoluble residues will form. These traces may have crystalline silica, a known Human Carcinogen (Group 1), that can cause silicosis and cancer.

SECTION 4 — FIRST AID INFORMATION

Inhalation: Remove the individual to fresh air. If irritation persists, get medical attention.

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

Eye: Flush eyes with plenty of water for 15 minutes. If irritation persists, get medical attention immediately.

Ingestion: If conscious, drink plenty of water. Do not induce vomiting. Get immediate medical attention.

SECTION 5 — PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: >2700°F  Specific Gravity: 2.7-3.1  Melting Point: >2700°F

Vapor Pressure (mm Hg): None  Vapor Density (AIR = 1): None  Evaporation Rate: None

Solubility in Water: Slight

Appearance and Odor: Gray Powder. Odor N/A

SECTION 6 — FIRE & EXPLOSION PROPERTIES

Flash Point: N/A  Flammable Limits: N/A  LEL: N/A  UEL: N/A

Extinguishing Media: N/A  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: N/A

Incompatible Materials: When mixed with water, may be highly alkali.

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 breath dust. Avoid contact with eyes, skin, and clothing. Avoid unintentional contact with water.

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**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:**
- Hydraulic Cement
- ACGIH TLV: 10 mg/m³
- OSHA PEL (8 hour TWA): 50 million particles per cubic ft
- Gypsum
- OSHA PEL (8 hour TWA): 10 mg/m³ (total), 5 mg/m³ (respirable)
- Crystalline Silica (Quartz)
- TLV: 0.05 mg/m³ (total), 0.05 mg/m³ (respirable)
- OSHA PEL: 30 mg/m³ (%SiO₂) mg/m³ (total), 10 mg/m³ (%SiO₂) mg/m³ (respirable)

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**SECTION 11 — TOXICOLOGY INFORMATION**

**Toxicity:** LD₅₀ and LC₅₀ rating not determined. A high pH material is produced when mixed with water.

**Chronic Effects on Humans:** May aggravate eye, skin, and respiratory conditions.

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**SECTION 12 — ECOLOGICAL INFORMATION**

No Data Available

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

Consult local, federal, and state regulations for proper disposal.

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**SECTION 14 — TRANSPORTATION INFORMATION**

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

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**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 Hygienists
CAS – Chemical Abstract Service.
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.
SARA – Superfund Amendments and Reauthorization Act.
UEL – Upper Exposure Limit.

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