SECTION 1 - PRODUCT IDENTIFICATION

Trade name: COLOR HARDENER - 60# PL FRST GREEN
Product code: CCHA P060 335

COMPANY: Increte Systems - A Division of The Euclid Chemical Company
1611 Gunn Highway
Odessa, FL  33556
Telephone: 1-800-752-4626
Emergency Phone: U.S. only: 1-800-424-9300
International Users Call Collect: 1-703-527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview
Green. Powder. May cause coughing and wheezing. Dust may irritate respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry
Inhalation: May cause coughing and wheezing. Dust may irritate respiratory tract.
Eyes: Dust may cause eye irritation. May cause mechanical irritation or abrasion. Direct contact may cause temporary redness and discomfort.
Ingestion: May cause gastrointestinal irritation, nausea, and vomiting.
Skin: May cause mild irritation.

Aggravated Medical Conditions
Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects
Repeated and prolonged exposures to trivalent chromium compounds may cause delayed effects involving the respiratory system. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.

SECTION 3 - PRODUCT COMPOSITION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand</td>
<td>14808-60-7</td>
<td>&gt; 60.0</td>
</tr>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>30.0 - 60.0</td>
</tr>
<tr>
<td>Chromium oxide</td>
<td>1308-38-9</td>
<td>1.0 - 5.0</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.
Inhalation: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Eye contact: Flush with water for 15 minutes. If irritation persists, get medical attention.

Skin contact: Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion: Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: Not available.
Method: Not available.
Lower explosion limit: Not available.
Upper explosion limit: Not available.
Autoignition temperature: Not available.
Extinguishing media: This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

SECTION 7 - HANDLING AND STORAGE

Store under normal warehouse conditions in sealed containers. Handle in compliance with common hygienic practices. Clean hands thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment
Respiratory protection: Wear appropriate, properly fitted NIOSH/MSHA approved dust respirator where airborne concentrations are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer’s directions for respirator use.

Hand protection: Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

Eye protection: Wear appropriate eye protection.
Skin and body protection: Prevent contact with shoes and clothing. Use rubber apron and overshoes.

Protective measures: Use professional judgment in the selection, care, and use.

Engineering measures: Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

### Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Regulation</th>
<th>Limit</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (Quartz)/Silica Sand</td>
<td>14808-60-7</td>
<td>OSHA TWA:</td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA TWA:</td>
<td>0.3 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL:</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL:</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA:</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Portland cement</td>
<td>65997-15-1</td>
<td>OSHA PEL:</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL:</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TWA:</td>
<td>1 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- **Form**: Powder
- **Color**: Green
- **Odor**: None
- **pH**: Not available.
- **Vapour pressure**: Not available.
- **Vapor density**: Not available.
- **Melting point/range**: Not available.
- **Freezing point**: Not available.
- **Boiling point/range**: Not available.
- **Water solubility**: Not available.
- **Specific Gravity**: 3.33
- **% Volatile Weight**: 0.0 %

### SECTION 10 - REACTIVITY / STABILITY

- **Substances to avoid**: Not Applicable.
- **Stability**: Material is stable under normal storage, handling, and use.
- **Hazardous polymerization**: Will not occur under normal conditions.
SECTION 11 - TOXICOLOGICAL INFORMATION

No Data Available

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA Class : D007: Reportable Quantity = 10 lbs. Chromium
This classification applies only to the material as it was originally produced.


SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

North American Inventories:
All components are listed or exempt from the TSCA inventory.
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:
SARA 313 Components : Chromium oxide 1308-38-9
SARA 311/312 Hazards : Acute Health Hazard
: Chronic Health Hazard

OSHA Hazardous Components :
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7
Portland cement 65997-15-1
Chromium oxide 1308-38-9

OSHA Status: Considered hazardous based on the following criteria:
: Irritant
: Carcinogen

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent) : 0 g/l
VOC Method 310 : 0 %
Material Safety Data Sheet

COLOR HARDENER - 60# PL FRST GREEN
Version 2.0
Print Date 08/26/2013

REVISION DATE: 04/15/2011

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

<table>
<thead>
<tr>
<th>U.S. State Regulations:</th>
<th>MASS RTK Components</th>
<th>Portland cement</th>
<th>65997-15-1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Crystalline Silica (Quartz)/ Silica Sand</td>
<td>14808-60-7</td>
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<td></td>
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<td>1308-38-9</td>
<td></td>
</tr>
</tbody>
</table>

| Penn RTK Components     | Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 |
|-------------------------| Portland cement | 65997-15-1 |
|                         | Chromium oxide  | 1308-38-9 |

| NJ RTK Components        | Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 |
|--------------------------| Portland cement | 65997-15-1 |
|                         | Chromium oxide  | 1308-38-9 |

Components under California Proposition 65:
WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

SECTION 16 - OTHER INFORMATION

<table>
<thead>
<tr>
<th>HMIS Rating</th>
<th></th>
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<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>PPE</td>
<td></td>
</tr>
</tbody>
</table>

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Minimum</td>
</tr>
<tr>
<td>1 = Slight</td>
</tr>
<tr>
<td>2 = Moderate</td>
</tr>
<tr>
<td>3 = Serious</td>
</tr>
<tr>
<td>4 = Severe</td>
</tr>
</tbody>
</table>

Further information:
For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend
ACGIH - American Conference of Governmental Hygienists
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
DOT - Department of Transportation
DSL - Domestic Substance List
EPA - Environmental Protection Agency
HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
RTK - Right To Know
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System