Section 1 - Chemical Product and Company Information

Product Name: CT-8 Cleaner and Toughener    Product Code: SDCP-CT-8
Trade Name: CT-8
Manufactured by:
Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec
2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:
(800) 424-9300

Not recommended for: Surface preparation of smooth troweled surfaces as well as coating removal

Section 2 - Composition / Information on Ingredients

GHS Ratings:

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrosive to metals</td>
<td>1</td>
<td>Corrosive to metals</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Acute 4</td>
<td>Oral&gt;300&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>Acute 2</td>
<td>Gases&gt;100&lt;=500ppm, Vapors&gt;0.5&lt;=2mg/l, Duts&amp;mists&gt;0.05&lt;=0.5mg/l</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>1A</td>
<td>Destruction of dermal tissue: Exposure &lt; 3 min. Observation &lt; 1 hour, visible necrosis in at least one animal</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1</td>
<td>Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity &gt;= 3, Iritis &gt; 1.5</td>
</tr>
</tbody>
</table>

GHS Hazards

- H290 May be corrosive to metals
- H302 Harmful if swallowed
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage
- H330 Fatal if inhaled

GHS Precautions

- P234 Keep only in original container
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P264 Wash … thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P284 Wear respiratory protection
- P310 Immediately call a POISON CENTER or doctor/physician
- P320 Specific treatment is urgent (see … on this label)
- P321 Specific treatment (see … on this label)
Section 3 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate pentahydrate</td>
<td>10213-79-3</td>
<td>90.00% - 100.00%</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician. Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**INGESTION** - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

**Notes to Physician**: Symptoms may be delayed.

Section 5 - Fire Fighting Measures

**Flash Point**: N/A

**LEL**: UEL:

**Flammable Limits**: Dust accumulation from this product may present an explosion hazard in the presence of an ignition source. Fire hazard. Class II Dust for National Electric Code (NFPA 70)

**Extinguishing Media**: Use carbon dioxide (CO2), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems. Apply media carefully to avoid creating airborne dust.

**Explosion Hazard**: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

**Specific Methods**: Cool containers exposed to flames with water until well after the fire is out.
Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Collect spillage. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). If sweeping of contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.

**Small Spills:** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Following product recovery, flush area with water.

Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Wash thoroughly after handling.

**STORAGE:** Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep container dry. Guard against dust accumulation of this material. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Section 8 - Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate pentahydrate 10213-79-3</td>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by OSHA.</td>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH.</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

**Engineering Controls:** Use only with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

**Ventilation:** Use only with adequate ventilation.

**Protective Gear:** Use a NIOSH-approved dust respirator where dust occurs. Observe OSHA regulations for respirator use. Wear body-covering clothing and gloves. Wear chemical goggles.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong> Granular Powder</td>
<td><strong>Odor:</strong> Odorless or Musty</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong> Not Applicable</td>
<td><strong>pH:</strong> 14</td>
</tr>
<tr>
<td><strong>Vapor Pressure:</strong> Not Applicable</td>
<td><strong>Boiling range:</strong> Not Applicable</td>
</tr>
<tr>
<td><strong>Vapor Density:</strong> Not Applicable</td>
<td><strong>Explosive Limits:</strong> Not Applicable</td>
</tr>
<tr>
<td><strong>Specific Density:</strong> 1.21</td>
<td><strong>Decomposition temperature:</strong> Not Applicable</td>
</tr>
<tr>
<td><strong>Flash point:</strong> Not Applicable</td>
<td><strong>Grams VOC less water:</strong> Not Applicable</td>
</tr>
<tr>
<td><strong>Autoignition temperature:</strong> Not Applicable</td>
<td><strong>Viscosity:</strong> Not Applicable</td>
</tr>
</tbody>
</table>
Section 10 - Stability and Reactivity

Stability:
STABLE

Incompatibilities: Aqueous solutions will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.

Hazardous Decomposition: Hydrogen
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity
Oral Toxicity LD50: 1,176mg/kg
Inhalation Toxicity LC50: 2mg/L

Component Toxicity
10213-79-3 Sodium metasilicate pentahydrate
Oral LD50: 1,152 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rat) Inhalation LC50: 2 g/m3 (Rat)

Routes of Entry: Inhalation, skin contact.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

Section 12 - Ecological Information

Toxicity: Fish (Brachydanio rerio) LC50 (96 hour) 210 mg/l
Aquatic invertebrates: (Daphnia magna) EC50 (48 hour) 1700 mg/l

Persistence and degradability: Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.

Bioaccumulative potential: Inorganic. The substance has no potential for bioaccumulation.

Mobility in soil: Not applicable.

Results of PBT and vPvB assessment: Not classified as PBT or vPvB.

Other adverse effects: The alkalinity of this material will have a local effect on ecosystems sensitive in pH.

Component Ecotoxicity
Sodium metasilicate pentahydrate

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Mobility in soil: Not applicable.
Results of PBT and vPvB assessment: Not classified as PBT or vPvB.

Other adverse effects: The alkalinity of this material will have a local effect on ecosystems sensitive in pH.

Section 13 - Disposal Considerations

Dispose in accordance with all applicable regulations. Avoid discharge into natural waterways.

Section 14 - Transport Information

This material is classified for transport as follows:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Disodium trioxosilicate</td>
<td>3253</td>
<td>III</td>
<td>8</td>
</tr>
</tbody>
</table>

Section 15 - Regulatory Information

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
- None

R2K List
- None

Section 16 - Other Information

Hazardous Material Information System (HMIS) National Fire Protection Association (NFPA)

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

Date Prepared: 10/7/2015