



## Safety Data Sheet

### 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

Product Use: Exterior surface preparation.

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

### Section 2 - Composition / Information on Ingredients

#### GHS Ratings:

Corrosive to metals	1	Corrosive to metals
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Inhalation Toxicity	Acute Tox. 2	Gases>100+<=500ppm, Vapors>0.5+<=2mg/l, Dusts&mists>0.05+<=0.5mg/l
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

#### 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)

P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P390	Absorb spillage to prevent material damage
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P405	Store locked up
P406	Store in a corrosive resistant/... container with a resistant inner liner
P403+P233	Store in a well ventilated place. Keep container tightly closed
P501	Dispose of contents/container to ...

Signal Word: Danger



### Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Sodium metasilicate pentahydrate	10213-79-3	90.00% - 100.00%

### 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 (CO<sub>2</sub>), "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.

**Protective Equipment and Precautions for Firefighters:** In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk.

## 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

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

**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:

<b>Appearance:</b> Granular Powder <b>Vapor Pressure:</b> Not Applicable <b>Vapor Density:</b> Not Applicable <b>Specific Density:</b> 1.21 <b>Flash point:</b> Not Applicable <b>Autoignition temperature:</b> Not Applicable <b>Viscosity:</b> Not Applicable	<b>Odor:</b> Odorless or Musty <b>Odor threshold:</b> Not Applicable <b>pH:</b> 14 <b>Boiling range:</b> Not Applicable <b>Explosive Limits:</b> Not Applicable <b>Decomposition temperature:</b> Not Applicable <b>Grams VOC less water:</b> Not Applicable
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## 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/m<sup>3</sup> (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).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data Available

## 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

Toxicity: Fish (Brachydanio rerio) LC50 (96 hour) 210 mg/l

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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.

### 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:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Disodium trioxosilicate	3253	III	8

### Section 15 - Regulatory Information

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!

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

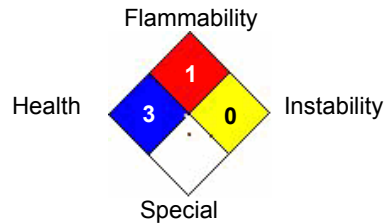
**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="3"/>
<b>FLAMMABILITY</b>	<input type="text" value="1"/>
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input type="text" value="H"/>

**HMIS & NFPA Hazard Rating Legend**

- \* = Chronic Health Hazard
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

**National Fire Protection Association (NFPA)**



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Reviewer Revision

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