

MATERIAL SAFETY DATA SHEET

Section 1 Product Identification

Product Name: CST-100 Alkaline Detergent Concentrate

Supplier: Complete Solutions Technologies, LLC

214 West Main Street

Moorestown, NJ 08057

Phone Number: (856) 234-7918

Appearance: Translucent liquid

Odor: Practically odorless

Chemical Description: Concentrated, aqueous alkaline solution.

Ratings	NPFA	HMIS
Health	2	2
Fire	0	0
Reactivity	0	0

Section 2 Hazardous Component Information

Name	OSHA TWA/STEL	ACGIH TWA/STEL	CARCINOGEN IARC/NTP/OSHA
Sodium Metasilicate	Not established	Not established	Not listed
Potassium Carbonate	Not established	Not established	Not listed

Section 3 Hazards Identification

Primary Route of Entry: Skin, mouth and eyes.

Potential Health Effects: Signs and Symptoms of Exposure:

Eyes: Will cause burning if contact with eye(s) occurs. Degree of burn depends upon duration of contact.

Skin: Will irritate and burn the skin. Severity of irritation depends upon duration of contact. Rinsing contact area immediately, with water, will dramatically reduce irritation.

Ingestion: Harmful if swallowed. May cause burning.

Inhalation: May cause headache, nausea, irritation of nose, throat and lungs.

Section 4 First Aid Procedures

Eyes: Following eye contact, flush eyes immediately with plenty of water, for fifteen minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention if irritation occurs.

Skin: Following skin contact, wash area at once with plenty of water for fifteen minutes. Rinsing promptly with water, will reduce irritation considerably.

Ingestion: If swallowed wash mouth out immediately with water, provided person is conscious. Give victim a glass of water. Never give anything by mouth to an unconscious person. **Do not induce vomiting.** Get medical attention immediately.

Inhalation: Move victim to fresh air if irritation occurs. Get medical attention.

Section 5 Fire Fighting Measures

Fire Fighting Procedures: Use self contained breathing apparatus.

Extinguishing Media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Hazardous Combustion Products: Could release hydrogen gas, carbon monoxide and carbon dioxide.

Section 6 Accidental Release Measures

Steps to be taken in the event of spills, leaks or release: For small spills: add inert absorbent, sweep up, and place the material in plastic drums approved for disposal. For large spills: Dike to contain and pump into drums approved for disposal. Follow all local, state and federal environmental regulations.

Section 7 Handling & Storage:

Handling: Handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Avoid continuous breathing of vapor. Wash thoroughly after handling.

Storage: Keep container tightly closed when not in use and during transport. Store at room temperature.

Materials or Conditions to avoid: Do not mix with strong acids such as Hydrochloric acid and Sulfuric acid. (Heat can develop) Do not mix with any other products.

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Section 8 Exposure Controls/Personal Protection

Personal Protective Equipment:

General: Protect from clothing by wearing coveralls.

Eye and Face Protection: In cases where there is likelihood of eye contact, wear chemical goggles.

Skin Protection: Wear impervious gloves as a standard handling practice.

Section 9 Physical & Chemical Properties:

pH as is: 12.50

Solubility in water: Soluble

Specific Gravity: 1.28 (water =1.00)

Section 10 Stability & Reactivity:

General stability considerations: Product is stable.

Incompatible materials: Do not mix with strong acids such as Hydrochloric acid and Sulfuric acid. (Heat can develop) Do not mix with any other products.

Hazardous decomposition products: Could release hydrogen gas, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 Disposal Considerations:

Dispose of in accordance with all local, state and federal environmental regulations.

Section 12 Transport Information:

Proper Shipping Name: : Corrosive, liquid, basic, inorganic, n.o.s., Sodium Metasilicate, Class 8 UN3266, Packing group III.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

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