
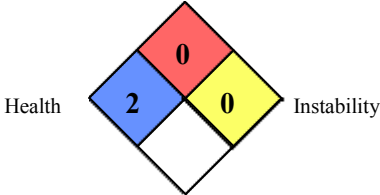



## Safety Data Sheet

<b>Revision Issued:</b> 9/1/2015	<b>Supersedes:</b> N/A	<b>First Issued:</b> 9/1/2015
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### Section I -- Identification

<b>Product Name: Chlorine Calibration Standard</b>		<b>SmartWash MSDS No.:</b> 04 <b>Item Nos.:</b> 030011, 030012, 030013
 <p style="text-align: center;">SmartWash Solutions LLC 1129 Harkins Rd. Salinas, CA 93901 831.676.9780 831.277.3974 <b>Web Site:</b> <a href="http://www.smartwashesolutions.com">www.smartwashesolutions.com</a></p>	<p><b>Emergencies:</b> CHEMTREC: 1-800-424-9300 National Response in Canada CANUTEC: 613-996-6666 Outside US and Canada: CHEMTREC: 703-527-3887</p> <p><b>NOTE:</b> CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p> <p><b>Health Emergency:</b> Contact your Local Poison Center.</p>	<p>Flammability</p>  <p>Health      Instability</p> <p>Specific Hazard</p> <p><b>NFPA Code</b></p>
<b>Common Name</b>	<b>Synonyms</b>	<b>Uses</b>
ASAP Chlorine Calibration Solution	Chlorine Standard Calibration Solution, Chlorine Bleach, Bleach, Soda Bleach, Chlorox, Sodium Hypochlorite Solution	Component of Calibration Standard

### Section II -- Hazard(s) Identification

<b>Eye Corrosion/Irritation:</b>	Category 2A.		
<b>Skin Corrosion/Irritation:</b>	Category 2.		
<b>Carcinogenicity Lists:</b>	<b>IARC Monograph:</b> No	<b>NTP:</b> No	<b>OSHA:</b> No
<b>Signal Word:</b>	WARNING		
<b>Hazard Symbol:</b>			
<b>Hazard Statements:</b>	Causes eye irritation. Causes skin irritation.		

**Section II (continued) -- Hazard(s) Identification****Precautionary Statements**

<b>Prevention:</b>	Wash hands thoroughly after handling. Wear protective gloves. Wear eye protection.
<b>Response:</b>	If on skin wash with plenty of water. If skin irritation occurs get medical advice or attention. Take off contaminated clothing and wash it before reuse. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice or attention.
<b>Storage:</b>	Store in original container.
<b>Disposal:</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Section III -- Composition / Information On Ingredients**

CHEMICAL NAME	CAS No.	% By Weight	LC50/LD50
Sodium Hypochlorite	7681-52-9	< 1.0%	See Section XI
Water, Distilled	7732-18-5	Balance	

**Section IV -- First Aid Measures**

<b>Eyes:</b>	Rinse with plenty of water for at least 15 minutes. Call a physician if irritation develops.
<b>Inhalation:</b>	Move casually to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention
<b>Skin:</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Call a physician if irritation develops.
<b>Ingestion:</b>	<b>Do not induce vomiting.</b> Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Call a physician if necessary.

**Section V -- Fire Fighting Measures**

<b>Flammability:</b>	No Hazard.	<b>Auto-Ignition Temperature:</b>	Not Applicable.
<b>Flash Point:</b>	Not Applicable.	<b>Products of Combustion:</b>	Not Applicable.
<b>Unusual Fire and Explosion Hazards:</b>	Not considered to be a fire or explosion hazard. Substance releases oxygen when heated. Containers may rupture from pressure build up.		
<b>Extinguishing Media:</b>	Sodium Hypochlorite is not flammable; use most appropriate agent to extinguish surrounding material.		
<b>Special Firefighting Procedure and Equipment:</b>	Use any suitable means to extinguish surrounding material. Water spray may be used to cool containers.		

## Section VI – Accidental Release Measures

<b>Small Spill:</b>	Ventilate area of leak or spill. While wearing protective gloves absorb with an inert material (paper towels) and place into a chemical waste container. After spill collection, rinse the area with a running stream of water into a sanitary sewer.
<b>Large Spill:</b>	Ventilate area of leak or spill. While wearing protective gloves absorb with an inert material (paper towels) and place into a chemical waste container. After spill collection, rinse the area with a running stream of water into a sanitary sewer.
<b>Release Notes:</b>	No CERCLA reporting requirements.
<b>Comments:</b>	See Section XIII for disposal information and Section XV for regulatory requirements.

## Section VII – Handling and Storage

<b>Handling:</b>	Although this is a mild irritant, personnel must be instructed in its proper use and they must adopt sensible precautions in order to avoid inhalation, ingestion, and contact with skin and eyes, and understand first aid as noted in Section IV. Avoid damaging containers. Be aware of product residue remaining in empty containers.
<b>Storage:</b>	Rotate stock regularly, discharge after expiration date by pouring slowly into a running stream of water into a sanitary sewer. Keep container closed when not in use. Avoid temperatures below 35°F or above 120°F. Protect from freezing. Recommended storage is at ambient temperatures in a dry area out of direct sunlight. Keep away from food and drink. Keep out of children's reach.

## Section VIII – Exposure Controls/ Personal Protection

<b>Engineering Controls:</b>	
<b>First Aid Equipment:</b>	Maintain eye wash fountain and quick-drench facilities in work areas.
<b>Ventilation Local /General:</b>	Do not apply.
<b>Airborne Exposure Limits:</b>	Do not apply.
<b>Personal Protection:</b>	
<b>Exposure Below Limits:</b>	Do not apply.
<b>Exposure Exceeds Limits: Personal Respirators (NIOSH Approved):</b>	Do not apply.
<b>Emergencies/Unknown Exposure Levels:</b>	Do not apply.

## Section IX – Physical and Chemical Properties

<b>Appearance:</b>	Clear, colorless to slight yellow.	<b>Boiling Point and Range:</b>	Approximately 100°C.
<b>Melting/Freezing Point:</b>	Approximately 0°C.	<b>Flash Point:</b>	Not flammable.
<b>Solubility:</b>	Complete solubility in water.	<b>Vapor Pressure, mm Hg:</b>	Not available.
<b>Specific Gravity:</b>	Approximately 1.	<b>Molecular Weight:</b>	Not available.
<b>Vapor Density (Air=1):</b>	Not available.	<b>% Volatiles:</b>	Not available.
<b>Bulk Density:</b>	Not applicable.	<b>Evaporation Rate:</b>	Not available.
<b>pH:</b>	Alkaline.	<b>Odor:</b>	Mild Chlorine-like.
<b>Viscosity:</b>	Non-viscous.	<b>Odor Threshold:</b>	Not available.

**Section X — Stability and Reactivity**

<b>Stability:</b>	Stable under normal conditions, use and storage. Slowly decomposes on contact with air. Exposure to sunlight accelerates decomposition. Becomes less hazardous with age.
<b>Reactivity:</b>	Contact with strong acids may liberate toxic gas.
<b>Conditions to avoid:</b>	Avoid temperatures below 2°C or above 50°C.
<b>Incompatible Materials:</b>	Ammonia (chloramine gas may evolve), amines, ammonium salts, methanol, cellulose, oxidizable metals, and acids (may produce chlorine gas) .
<b>Hazardous Decomposition Products:</b>	Emits toxic fumes of chlorine when heated to decomposition.
<b>Possibility of Hazardous Reactions:</b>	Not applicable.

**Section XI Toxicological Information**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.
<b>Eye Contact:</b>	Contact can cause eye irritation. Prolonged, repetitive contact with eye(s) can result in permanent injury.
<b>Skin Contact:</b>	Contact with skin may result in irritation.
<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.
<b>Acute Toxicity:</b>	No LD50 data available for the product. For the constituent Sodium Hypochlorite 15%: Oral LD50 mice 5800 mg/kg.
<b>Chronic Effects:</b>	No information available.
<b>Other Toxic Effects:</b>	No information available.

**Section XII Ecological Information**

<b>Ecotoxicological Information:</b>	No information found.
<b>Chemical Fate Information:</b>	No information found.

**Section XIII Disposal Considerations**

Dilute with water, then flush to sanitary sewer with plenty of water if local regulations allow. Always dispose of in accordance with local, state and federal regulations.

Please recycle empty container whenever possible.

**Section XIV Transportation Information**

	<u>USDOT Domestic (Land)</u>	<u>UN / NA International (Water)</u>
<b>Proper Shipping Name:</b>	Hypochlorite Solution	Hypochlorite Solution
<b>Hazard Class:</b>	DOT Class 8 Corrosive	DOT Class 8 Corrosive
<b>Identification Number:</b>	UN 1791	UN 1791
<b>Packing Group:</b>	PG III	PG III

**Section XV Regulatory Information**

<b>EPA CERCLA RQ:</b>	Sodium Hypochlorite—100 lbs.
<b>EPA REGISTERED:</b>	No.
<b>EPA %VOC:</b>	0.00
<b>EPA VOC RULE:</b>	This product does not contain volatile organic compounds.
<b>PHOSPHORUS CONTENT:</b>	0.00%
<b>CALIFORNIA PROPOSITION 65:</b>	Not listed.
<b>SARA 302/304 EXTREMELY HAZARDOUS SUBSTANCE:</b>	Not listed.
<b>SARA 311/312 HAZARDS:</b>	Acute Health Hazard.
<b>SARA 313 CHEMICALS:</b>	Not listed.
<b>STATE RIGHT TO KNOW:</b>	See Section 3 for chemical names.
<b>TSCA INVENTORY STATUS:</b>	All components are listed on the inventory.
<b>WHMIS CLASS:</b>	E

**Section XVI Other Information**

	<b>HEALTH</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIFIC HAZARD</b>
NFPA RATING:	2	0	0	None
DATE OF ISSUE:	September 1, 2015			
REASON FOR ISSUE:	Creation of original SDS.			
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