



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** SODIUM HYPOCHLORITE 12.5 – 15%  
**Chemical Name:** SODIUM HYPOCHLORITE 12.5 – 15%  
**Chemical Family:** HYPOCHLORITE  
**Last Revision Date:** 2/24/2022

**Manufacturer's Name & Address**

Roberts Chemical Co., Inc.  
330-B Victor Road  
Attleboro, MA 02703  
TEL: 508-409-0220  
FAX: 508-222-2752  
[www.robertschem.com](http://www.robertschem.com)

**Emergency Telephone Number:**

CHEMTREC 24-HourToll Free (800) 424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD RATING	NFPA			
4 = EXTREME	HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
3 = SEVERE	3	0	2	2
2 = MODERATE				
1 = SLIGHT				
0 = UNKNOWN				

**GHS Label elements, including precautionary statements**



Pictogram:

Signal Word: Danger

**Hazard Statement(s)**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statement(s)**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P501 Dispose of contents/ container to an approved waste disposal plant.



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### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

PRODUCT	CAS#	% BY WEIGHT
SODIUM HYPOCHLORITE	7681-52-9	12.5-15%

### SECTION 4: FIRST-AID MEASURES

**EYES:** Flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention IMMEDIATELY.

**SKIN:** Immediately wash contaminated areas with plenty of water for 15 minutes. Remove contaminated clothing and footwear, and wash before reuse. Discard any clothing that cannot be decontaminated. Seek medical attention immediately.

**INGESTION:** NEVER give anything by mouth to an unconscious person. If swallowed, give large quantities of water. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

**INHALATION:** Remove to fresh air. If breathing is difficult give oxygen. If breathing has stopped administer artificial resuscitation. Seek medical attention immediately.

### SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT:** Not applicable.

**FIRE EXTINGUISHING MEDIA:** Use water to cool containers exposed to fire. On small fire, use dry chemical, carbon dioxide, or water spray. On large fires, use water in flooding amounts, fog.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Protective clothing and self-contained breathing apparatus should be worn by firefighters in areas where this product is stored.

Avoid flushing to sewers or streams, toxic to aquatic life.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** In case of fire, hazardous concentrations of chlorine may be formed.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**GENERAL INFORMATION SPILLS/LEAKS:** compatible absorbents: non-flammable sand, clay, commercial absorbent. Response to this material requires the use of self-contained breathing apparatus. Additional protective clothing must be worn to prevent personal contact with this material.

**NEUTRALIZING AGENT:** bisulfites or ferrous salts; maintain on alkaline side and absorb with non-organic as specified.

**Comply with all federal, state and local regulations before discarding.**

### SECTION 7: HANDLING AND STORAGE

**HANDLING:** Wear chemical splash-type mono-goggles and rubber or neoprene gloves and shoes. This product contains CYANIDES, handle accordingly.

Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Containers must not be used for any other purpose.



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**STORAGE:** Store in properly labeled containers. Keep in a cool, dry, well-ventilated area. Avoid high temperatures and exposure to direct sunlight. Do not store at temperatures below 15-21 degrees F. Store in the dark at the lowest possible temperature, but keep from freezing.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Respiratory protection is not required under normal use. Use NIOSH/MSHA approved respirator where mist or spray may be generated above TLV limits.

**VENTILATION:** Use adequate local exhaust ventilation where mist or spray may be generated, to maintain levels below TLV limits.

**PROTECTIVE CLOTHING:** Wear rubber or alkaline resistant gloves and rubber apron.

**EYE PROTECTION:** chemical safety goggles or face shield.

**WORK PRACTICES:** skin that becomes contaminated with this substance should be immediately washed or showered with soap and water.

**HYGIENIC PRACTICES:** eating, drinking or smoking should not be permitted in areas where any chemical substances are handled, processed, or stored. Employees who handle these materials should wash their hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

### **SYMPTOMS OF OVEREXPOSURE**

**INHALATION:** burns to the respiratory tract, shortness of breath, wheezing, choking, chest pain, and impaired lung function.

**EYE:** severe burns, redness, swelling, and scab formation.

**INGESTION:** nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** asthma and respiratory and cardiovascular disease.

Chemical Name: Sodium Hypochlorite

CAS Number: 7681-52-9

Percentage: 15 by volume, 12.5 by weight

OSHA PEL: 1 ppm

ACGIH TLV: 1 ppm

Acute Oral: 5 g/kg

Chemical Name: Sodium Chloride

CAS Number: 7647-14-5

Percentage: 11 by Volume

OSHA PEL: Not Established

ACGIH TLV: Not Established

Chemical Name: Sodium Hydroxide

CAS Number: 1310-73-2

Percent: 1 by volume

OSHA PEL: 2 mg/m<sup>3</sup>

ACGIH TLV: C2 mg/m<sup>3</sup>; 9293



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Greenish-yellow Liquid  
**Boiling Point:** 220 F  
**Specific Gravity:** 1.26  
**Evaporation Rate and Ref:** (water=1) 1  
**Solubility in Water:** 100%  
**Auto ignition Temperature:** None

**Odor:** Chlorine-like Odor  
**Freezing/Melting point:** -14 C (6 F)  
**Decomposition Temperature:** As Heated  
**Specific gravity:** 1.21 @ 20 C  
**pH:** 12.5

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** The product is stable.

**Conditions to avoid:** High heat, sunlight and ultraviolet light.

**Incompatibility (materials to avoid):** Iron, Copper, Acids, Ammonium Compounds, Organics, Other oxides.

**Polymerization:** Will not occur.

**Hazardous Decomposition:** Chlorine gas.

## SECTION 11: TOXICOLOGICAL INFORMATION

LD50-LC50 Mixture: Oral LD 50 (Rat) is 5 g/kg

Health hazards, acute and chronic: Inhalation – irritating to the nose, mouth, throat, lungs.

Eye: severe irritation, impaired vision, and corneal damage.

Skin: severe irritation, destruction of the dermis with impairment of the skin.

Ingestion: irritation can occur to the entire gastrointestinal tract, including the stomach and intestines.

Carcinogenicity – NTP: No – IARC: No – OSHA: No

This product has been shown not to be carcinogenic. It is not included as a carcinogen by IARC, NTP, OSHA, or EPA.

## SECTION 12: ECOLOGICAL INFORMATION

N/A

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14: TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** HYPOCHLORITE SOLUTION

**HAZARDOUS CLASSIFICATION:** 8

**IDENTIFICATION NUMBER:** UN 1791



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**PKG GROUP: PG II**

**DOT GUIDE: ERG154**

**PRECAUTIONARY LABEL: CORROSIVE**

## SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

SODIUM HYPOCHLORITE RQ = 100lbs

SARA 302 Components - 40 CFR 355 Appendix A None

Section 311/312 Hazard Class - 40 CFR 370.2 Immediate(X) Delayed(X)

SARA 313 Components - 40 CFR 372.65 None

International Regulations Inventory Status

DSL (CANADA) The intentional ingredients of this product are listed.

State and Local Regulations

New Jersey RTK Label Information

SODIUM HYPOCHLORITE 7681-52-9

Pennsylvania RTK Label Information

HYPOCHLOROUS ACID, SODIUM SALT 7681-52-9

## SECTION 16: OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning this product are based upon data believed to be reliable; however, it is the user's responsibility to determine the safe handling and suitability for the use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by **Roberts Chemical** as to the effects of such use, the results obtained, or the safety and toxicity of the product, nor does **Roberts Chemical** per se assume any liability arising out of use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since more information may be desirable or necessary when particular or exceptional conditions or circumstances exist, or because of applicable laws or government regulations.