

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** SODIUM CHLORITE, 25%

**Manufactured By:** Occidental Chemical Corporation  
5005 LBJ Freeway  
P.O. Box 809050  
Dallas, TX 75380-9050  
1-800-752-5151

**Distributed By:** Safe Foods Corporation  
1501 E. 8th Street  
North Little Rock, AR 72114  
501-758-8500

**Synonyms:** Sodium chlorite solution; Chlorous Acid, Sodium salt

**Product use:** Oxidizing agent

**Emergency number:** CHEMTREC: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

## 2. Hazard(s) Identification

### Hazard Classification:

<b>GHS: CONTACT HAZARD - SKIN:</b>	Category 1B - Causes severe skin burns and eye damage
<b>GHS: CONTACT HAZARD - EVE:</b>	Category 1 - Causes serious eye damage
<b>GHS: ACUTE TOXICITY - INHALATION:</b>	Category 3 - Toxic if inhaled
<b>GHS: ACUTE TOXICITY - ORAL:</b>	Category 4 - Harmful if swallowed
<b>GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):</b>	Category 2 - May cause damage to Respiratory System, Blood, Kidneys
<b>GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):</b>	Category 2 - May cause damage to Blood, Kidney through prolonged or repeated exposure
<b>HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD:</b>	Category 3 - Harmful to aquatic life

**UNKNOWN ACUTE TOXICITY:** This product was tested as a whole. This information only pertains to untested mixtures.

**Label Elements**

**Hazard Symbols**



**Signal Word**

Danger

**Hazard Statements**

Toxic if inhaled

Causes severe skin burns and eye damage

Causes serious eye damage

Harmful if swallowed

May cause damage to organs through prolonged or repeated exposure (Respiratory, Kidney, and Blood Systems)

May cause damage to Renal system (Kidneys), and Blood system through prolonged or repeated exposure

**Environmental Hazard Statement(s):** Harmful to aquatic life

**Precautionary Statements**

**Prevention**

Do not breathe dust, fume, gas, mist, vapors, or spray  
 In case of inadequate ventilation, wear respiratory protection  
 Wear protective gloves, protective clothing, eye, and face protection  
 Wash thoroughly after handling  
 Use only outdoors or in a well-ventilated area  
 Do not eat, drink or smoke when using this product  
 Avoid release to the environment

**Response**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF ON SKIN (or hair): ~~Remove~~Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

<b>Storage</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

**Hazards Not Otherwise Classified (HNOC)**

None identified.

**3. Composition / Information on Ingredients**

Component	Percent (%)	CAS Number
Water	60 - 85	7732-18-5
Sodium chlorite	15 - 35	7758-19-2
Sodium chloride	1 - 5	7647-14-5

**4. First-Aid Measures**

<b>Inhalation:</b>	If inhalation of mist, vapors, or spray occurs and adverse effects occur, remove to uncontaminated area. Evaluate ABCs (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically. Pulse oximetry may not be reliable, see notes to physician. GET MEDICAL ATTENTION IMMEDIATELY. There is no specific antidote, treat symptomatically.
<b>Skin Contact:</b>	Immediately flush contaminated area with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with large amounts of water. GET MEDICAL ATTENTION IMMEDIATELY. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.
<b>Eye contact:</b>	Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY. See notes to physician.

**Most important symptoms/effects, acute and delayed:**

Acute Symptoms/Effects: Listed below.

**Inhalation (Breathing):**

Inhalation of airborne material may cause irritation, redness of upper and lower airways, coughing, laryngeal spasm and edema, shortness of breath, bronchio-constriction, and possible pulmonary edema. Severe and permanent scarring may occur. The pulmonary edema may develop several hours after a severe acute exposure.

**Skin:** Skin Corrosion.

Skin exposure to gas or liquid may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third-degree burns.

**Eye:** Serious Eye Damage.

Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye.

**Ingestion (Swallowing):**

Exposure by ingestion may cause irritation, nausea, and vomiting. Oxidation may cause significant metabolic issues such as: methemoglobinemia, hemolysis, and intravascular coagulation and renal failure.

**Delayed Symptoms/Effects:**

Repeated and prolonged skin contact may cause dermatitis

**Interaction with Other Chemicals Which Enhance Toxicity:**

Mixing with ammonia, acids, detergents, or organic matter will release chlorinated compounds, which are irritating to eyes, lungs, and mucus membranes.

**Medical Conditions Aggravated by Exposure:**

May aggravate preexisting conditions such as: Eye disorders that decrease tear production or have reduced integrity. Skin disorders that compromise the integrity of the skin. Respiratory conditions including asthma and other breathing disorders. Ingestion may induce G6PD deficiency, hemolysis and renal failure. G6PD deficiency, hemoglobinopathies, renal compromise, and conditions causing hypoxia may be aggravated by ingestion of this material.

**Protection of First-Aiders:**

Protect yourself by avoiding contact with this material. Avoid contact with skin and eyes. Do not ingest. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

**Notes to Physician:**

Treat as a corrosive due to the pH of this material. This is also a strong oxidizer which will react with tissue in the presence of water. For prolonged exposures and significant exposures, consider delayed injury to exposed tissues. There is no specific antidote. Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation. Ingestion of even small amounts of solution should be closely monitored for methemoglobinemia, hemolysis, and glutathione depletion, followed by renal failure. This chemical acts similarly to its related compound chlorate, and produces a drug induced G6PD deficiency. Methylene blue has not been reported as effective. Consult the PubMed Case Report PMID 22996135 for the case description and treatment utilized. Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. If these vapors are inhaled, monitor patient closely for delayed development of pulmonary edema which may occur up to 48-72 hours post-inhalation. Following ingestion, neutralization and use of activated charcoal is not indicated. Probable mucosal damage may contraindicate the use of gastric lavage.

**5. Fire-Fighting Measures**

- Fire Hazards:** Negligible fire hazard. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. This product may represent an explosion hazard if it contacts acids, chlorine, or organic materials (Refer to Sections 7 and 10).
- Extinguishing Media:** Use extinguishing agents appropriate for surrounding fire.
- Fire Fighting:** Wear NIOSH approved positive-pressure self-contained breathing apparatus. Consider evacuation of personnel located downwind. Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Flood with fine water spray. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas

**Hazardous Combustion Products:** Chlorine, Oxides of sodium

**Sensitivity to Mechanical Impact:** Not sensitive

**Sensitivity to Static Discharge:** Not sensitive.

**Lower Flammability Level (air):** Not flammable

**Upper Flammability Level (air):** Not flammable

**Flash point:** Not applicable

**Auto-ignition Temperature:** Not applicable

## 6. Accidental Release Measures

### Personal precautions:

Isolate hazard area and deny entry. Keep unnecessary and unprotected personnel from entering the area. Avoid contact with skin and eyes. Do not breathe vapors, fumes or mist. Wear appropriate personal protective equipment recommended in Section 8 of the SDS.

### Methods and material for containment and cleaning up:

Contain spill. Spilled materials may be absorbed using non-combustible and non-organic commercial absorbents. Dampen and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Keep collected material damp and put into drums. Dried material can ignite upon contact with combustibles. Dispose of promptly. Dispose of in accordance with all applicable regulations.

### Environmental Precautions:

This material is harmful to aquatic life. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies. See Section 12 for additional ecological information.

## 7. Handling and Storage

### Precautions for safe handling:

Do not taste or swallow. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mist when opening container. Avoid creation of vapor or mist. Wash thoroughly after handling. Use clean utensils. Do not add the product to any dispensing device containing residuals of other products. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter. Dried material can ignite upon contact with combustibles.

### Conditions for safe storage:

Store and handle in accordance with all current regulations and standards. Store in tightly closed, labeled containers away from combustible materials. Store in a cool, dry area. Store in a well-ventilated area. Store below 212°F (100°C). Avoid exposure to sunlight or ultraviolet light. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

### Incompatibilities/Materials to Avoid:

Acids, reducing agents, combustible material, oxidizing agents, hypochlorite, organic solvents and compounds, garbage, dirt, organic materials, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter.

## 8. Exposure Controls/Personal Protection

**Regulatory Exposure Limit(s):** None. This product does not contain any components that have regulatory occupational exposure limits (OEL's).

*OEL:* Occupational Exposure Limit; *OSHA:* United States Occupational Safety and Health Administration;  
*PEL:* Permissible Exposure Limit; *TWA:* Time Weighted Average; *STEL:* Short Term Exposure Limit

**NON-REGULATORY EXPOSURE LIMIT(S):** Listed below for the product components that have non-regulatory occupational exposure limits (OEL's).

*The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993)*

Component	OXY REL 8 hr TWA	OXY REL STEL	OXY REL Ceiling
Sodium chlorite 7758-19-2 ( 15 - 35)	1 mg/m <sup>3</sup>		----

**ENGINEERING CONTROLS:** Use only in well-ventilated areas. Provide local exhaust ventilation where vapors, mist or aerosols may be generated.

### PERSONAL PROTECTIVE EQUIPMENT

**Eye protection:** Wear chemical safety goggles. Where splashing or spraying is possible, use a face-shield in addition to chemical protective goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin and Body Protection:** Wear protective clothing to minimize skin contact. Contaminated clothing should be removed and laundered before reuse. Discard contaminated leather goods.

**Hand Protection:** Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

**Protective Material Types:** Neoprene

**Respiratory Protection:** A NIOSH approved full-fac'e respirator equipped with N95 (dust, fume, mist) cartridges may be permissible when symptoms have been observed that are indicative of overexposure. If chlorine or chlorine dioxide is present, an acid gas cartridge is also required. An approved self-contained breathing apparatus operated in the pressure demand mode or an airline respirator with escape pack is required when an air purifying respirator is not adequate or for spills / emergencies of unknown concentrations. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Slightly cloudy
<b>Color:</b>	Pale, yellow
<b>Odor:</b>	Slight chlorine odor
<b>Odor Threshold [ppm]:</b>	No data available.
<b>Molecular Weight:</b>	90.45
<b>Molecular Formula:</b>	NaClO <sub>2</sub>
<b>Boiling Point/Range:</b>	No data available
<b>Freezing Point/Range:</b>	No data available.
<b>Melting Point/Range:</b>	Not applicable to liquids
<b>Crystallization Temperature:</b>	17.6°F
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density (air=1):</b>	No data available
<b>Relative Density/Specific Gravity (water=1):</b>	1 .1 to 1.3 @ 25° C
<b>Density:</b>	1 1.1 lbs/gal @ 35° C
<b>Water Solubility:</b>	Soluble
<b>pH:</b>	>12 @ 25°C
<b>Volatility:</b>	59-85% by volume
<b>Evaporation Rate (ether=1)</b>	No data available
<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not applicable
<b>Lower Flammability Level (air):</b>	Not flammable
<b>Upper Flammability Level (air):</b>	Not flammable
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Viscosity:</b>	No data available

## 10. Stability and Reactivity

**Reactivity:** Not reactive under normal temperatures and pressures.

**Chemical Stability:** Stable at normal temperatures and pressures.

**Possibility of Hazardous Reactions:** Avoid heat, flames, sparks and other sources of ignition. Avoid

evaporation to dryness. Dried material can ignite upon contact with combustibles. Avoid contamination with foreign materials. Avoid exposure to sunlight or ultraviolet light.

**Conditions to Avoid:** (e.g., static discharge, shock, or vibration). Avoid mechanical shock or impact, if contaminated.

**Incompatibilities/ Materials to Avoid:** acids, reducing agents, combustible material, oxidizing agents, hypochlorite, organic solvents and compounds, garbage, dirt, organic materials, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter

**Hazardous Decomposition Products:** Chlorine dioxide is formed on contact with acids, Thermal decomposition products include chlorine and oxides of sodium

**Hazardous Polymerization:** Will not occur.

## 11. Toxicological Information

### TOXICITY DATA:

#### PRODUCT TOXICITY DATA:

I-OSO oral:	Loso Dermal:	Inhalation:
389 - 1800 mg/kg (Rat)	> 2 gm/kg skin-rabbit	0.58 mg/L 4 hr-Rat

#### COMPONENT TOXICITY DATA:

Component	LOSO Oral:	LOSO Dermal:	LCSO Inhalation:
Sodium chlorite 7758-19-2	165 mg/kg (Rat)	107.2 mg/kg (Rabbit)	230 mg/m <sup>3</sup> (4 hr - Rat)
Sodium Chloride 7647-14-5	3000 mg/kg (Rat)	10 g/kg (Rabbit)	42 g/m <sup>3</sup> (1 hr-Rat)

### POTENTIAL HEALTH EFFECTS:

**Eye contact:** Causes serious eye damage. Eye exposures may cause burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. May cause permanent eye damage including blindness. Significant and prolonged contact may cause damage to the internal contents of eye.

**Skin contact:** Causes severe skin burns. May cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third-degree burns.

**Inhalation:** Toxic if inhaled. Inhalation may cause coughing, irritation (possibly severe), redness of upper and lower airways, shortness of breath, chemical burns and possibly pulmonary edema. Pulmonary edema may develop several hours after a severe acute exposure.

**Ingestion:** Harmful if swallowed. Ingestion may cause irritation, nausea, and vomiting. Causes significant metabolic issues through oxidation. May induce methemoglobinemia, hemolysis, and intravascular coagulation and renal failure.

#### **SIGNS AND SYMPTOMS OF EXPOSURE:**

Signs and symptoms of exposure vary, and are dependent on the route of exposure, degree of exposure, and duration of exposure.

**Inhalation (Breathing):** Breathing (Inhalation): Inhalation of airborne material may cause irritation, redness of upper and lower airways, coughing, laryngeal spasm and edema, shortness of breath, bronchio-constriction, and possible pulmonary edema. Severe and permanent scarring may occur. The pulmonary edema may develop several hours after a severe acute exposure.

**Skin:** Skin Corrosion. Skin exposure to gas or liquid may cause redness, irritation, burning sensation, swelling, blister formation, first, second, or third-degree burns.

**Eye:** Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn. Significant and prolonged contact may cause damage to the internal contents of the eye.

**Ingestion (Swallowing):** Ingestion: Exposure by ingestion may cause irritation, nausea, and vomiting. Oxidation may cause significant metabolic issues such as: methemoglobinemia, hemolysis, and intravascular coagulation and renal failure.

#### **CHRONIC TOXICITY:**

Sodium chlorite has produced hemolytic anemia in several animal species at concentrations of 100 mg/L or higher. In a subchronic study using rats, hematological alterations included decreased erythrocyte counts, hemoglobin levels, and hematocrit. Methemoglobin levels decreased in females but increased in males. There is no evidence of kidney effects in humans; however, in animal studies with sodium chlorite, there is limited evidence of kidney effects. Repeated and prolonged skin contact may result in dermatitis.

**Interaction with Other Chemicals Which Enhance Toxicity:** Mixing with ammonia, acids, detergents, or organic matter will release chlorinated compounds, which are irritating to eyes, lungs, and mucus membranes.

#### **GHS HEALTH HAZARDS:**

Listed below.

**GHS: ACUTE TOXICITY - ORAL:** Category 4 - Harmful if swallowed.

**GHS: ACUTE TOXICITY - INHALATION:** Category 3 - Toxic if inhaled.

**GHS: CONTACT HAZARD - EVE:** Category 1 - Causes serious eye damage

**GHS: CONTACT HAZARD - SKIN:** Category 1B - Causes severe skin burns and eye damage.

**SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):**  
Category 2 - Respiratory System, Blood, Renal system (Kidneys)

**SPECIFIC TARGET ORGAN TOXICITY (Repeated or Prolonged Exposure):**  
Category 2 - Blood, Renal System (Kidneys)

**MUTAGENIC DATA:**

Not classified as a mutagen per GHS criteria. Sodium chlorite has tested positive in some studies. The significance of these test results for human health is unclear because the oxidizing effects of the chlorite or salting effects of sodium may significantly affect the ability of the tests to accurately detect mutagens.

**REPRODUCTIVE TOXICITY:**

Not classified as a reproductive toxin per GHS criteria. There is limited evidence of male reproductive effects in animal studies.

**DEVELOPMENTAL TOXICITY:**

Not classified as a developmental or reproductive toxin per GHS criteria. Observations in animal studies include decreased serum levels of thyroid hormones in offspring.

**12. Ecological Information**

**ECOTOXICITY DATA:**

Component	Freshwater Fish	Invertebrate	Algae Toxicity:	Other Toxicity:
Sodium chlorite	- No data available	<b>Toxicity:</b> - 0.012 - 0.018 mg/L EC50 0.25 - 0.33 mg/L EC50 = 0.026 ma/L EC50	- No data available	- No data available
Sodium Chloride	- LC50, fathead minnow (Pimephales promelas): 10,610 mg/l	- LC50, water flea Daphnia magna: 4,571 mg/l	- IC50, OECD 209 Test; activated sludge, respiration inhibition: > 1,000 ma/l	- IC50, OECD 209 Test; activated sludge, respiration inhibition: > 1,000 ma/l

**Aquatic Toxicity:**

LC50 rainbow trout = 290 mg/l as 80% NaClO<sub>2</sub> (96 hour); bluegill = 265-310 mg/l as 80% NaClO<sub>2</sub> (96 hour); Sheepshead minnow = 62-90 ppm (96 hour)

**Invertebrate Toxicity:**

LC50 Daphnia Magna= 0.29 mg/Las 80% NaClO<sub>2</sub> (48 hour)

**Other Toxicity:**

LD50 Mallard duck= 0.49-1.00g/kg as 80% NaClO<sub>2</sub> (gavage);

LD50 Bob White quail= 0.39 - 0.66 g/kg as 80% NaClO<sub>2</sub> (gavage);

Sodium chlorite in the diet of birds was not acutely toxic. Eight-day dietary LC50's in the Mallard duck and Bob White quail were > 5,000 ppm

**FATE AND TRANSPORT:**

**BIODEGRADATION:** This material is inorganic and not subject to biodegradation; however, chlorite ions are reduced by some bacteria under anaerobic conditions.

**PERSISTENCE:** This material will eventually degrade to sodium chloride.

**BIOCONCENTRATION:** This material will not bioaccumulate.

**13. Disposal Considerations**

**Waste from material:**

Dispose in accordance with all applicable regulations. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction and fire. Contact Technical Service to obtain neutralization instructions. Keep out of water supplies and sewers. May be subject to disposal regulations.

**Container Management:**

Containers are non-refillable. Do not reuse or refill containers. Offer for recycling if available. Offer for reconditioning if appropriate. Triple rinse or pressure rinse container promptly after emptying. Triple rinse containers 5-gallons or smaller as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Triple rinse containers larger than 5 gallons as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 3/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip. Container rinsate must be disposed of in compliance with applicable regulations.

**14. Transport Information**

**LAND TRANSPORT**

**U.S. DOT 49 CFR 172.101:**

**UN NUMBER:** UN1908  
**PROPER SHIPPING NAME:** Chlorite solution  
**HAZARD CLASS/ DIVISION:** 8  
**PACKING GROUP:** II  
**LABELING REQUIREMENTS:** 8

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:**

**UN NUMBER:** UN1908  
**SHIPPING NAME:** Chlorite solution  
**CLASS OR DIVISION:** 8  
**PACKING/RISK GROUP:** II  
**LABELING REQUIREMENTS:** 8

**MARITIME TRANSPORT (IMO/ IMDG) Regulated**

**UN NUMBER:** UN1908  
**PROPER SHIPPING NAME:** Chlorite Solution  
**HAZARD CLASS/ DIVISION:** 8  
**PACKING GROUP:** II  
**LABELING REQUIREMENTS:** 8

**15. Regulatory Information**

**U.S. REGULATIONS**

**OSHA REGULATORY STATUS:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**CERCLA SECTIONS 102a(103 HAZARDOUS SUBSTANCES (40 CFR 302.4):**

Not regulated.

**SARA EHS Chemical (40 CFR 355.30)**

Not regulated

**EPCRA SECTIONS 311(312 HAZARD CATEGORIES (40 CFR 370.10):**

Acute Health Hazard

**EPCRA SECTION 313 (40 CFR 372.65):**

Not regulated

**OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):**

Not regulated

**NATIONAL INVENTORY STATUS**

**U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):** All components are listed or exempt.

**TSCA 12(b):** This product is not subject to export notification.

**Canadian Chemical Inventory:** All components of this product are listed on either the DSL or the NDSL.

Component	DSL	NDSL
Sodium chlorite 7758-19-2	Listed	Not Listed
Sodium Chloride 7647-14-5	Listed	Not Listed

**STATE REGULATIONS**

**Component**      **California**      **California**      **California**      **Massachusetts**      **New Jersey Right New Jersey**

	Proposition 65 Cancer WARNING:	Proposition 65 CRT List •Male reproductive toxin:	Proposition 65 CRT List. Female reproductive toxin:	Right to Know Hazardous Substance List	to Know Hazardous Substance Lit	Special Health Hazards Substance List
Sodium chlorite 7758-19-2	Not Listed	-----	-----	Listed	1689	corrosive; reactive - second degree
Sodium Chloride 7647-14-5	Not Listed	.....	.....	.....	Not Listed	-----

Component	New Jersey. Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List	Rhode Island Right to Know Hazardous Substance List
Sodium chlorite 7758-19-2	Not Listed	Listed	Not Listed	Not Listed	Not Listed
Sodium Chloride 7647-14-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**CANADIAN REGULATIONS**

- This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SOS contains all the information required by the Controlled Products Regulations

Component	Canadian Chemical inventory:	NDSL:	WHMIS - Classifications of Substances:
Sodium chlorite	Listed		C,D1b
Sodium chloride	Listed		Uncontrolled product according to WHMIS classification criteria

**WHMIS Hazard Class:**

- **DIA Very toxic materials**
- **DIB Toxic materials**
- **E Corrosive material**

**16. Other Information**

**Prepared for:** Safe Foods Corporation

**Rev. Date:** 10-Sep-2019

**Reason for Revision:**

- **Revised GHS Information:** SEE SECTION 2
- **ECOLOGICAL INFORMATION** (SECTION 12)
- **Removed NFPA/HMIS ratings from format:** SEE SECTION 16

**IMPORTANT:**

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Safe Foods assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, local or foreign laws

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees