



# Safety Data Sheet

EPA Reg. No. 84912-2  
EPA Est. No. 11399-CA-001

Issue Date: 25-Jan-2016

Revision Date:

Version 1

## 1. IDENTIFICATION

<b>Product Identifier</b>	<b>GO<sub>2</sub><sup>TM</sup> (Acidified Sodium Chlorite)</b>
<b>Product Name</b>	Acidified Sodium Chlorite (CAS 7758-19-2)
<b>Other means of identification</b>	
<b>SDS #</b>	GO <sub>2</sub> International-003
<b>UN/ID No</b>	UN1908
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended Use</b>	Disinfectant/sanitizer/fungicide/algacide/slimicide/deodorizer. For commercial/industrial use.
<b>Details of the supplier of the safety data sheet</b>	
<b>Supplier Address</b>	GO <sub>2</sub> International 6700 Caballero Blvd. Buena Park, CA. 90620
<b>Emergency Telephone Number</b>	
<b>Company Phone Number</b>	Phone: 1-714-736-9811 Fax: 1-714-736-9053
<b>Emergency Telephone (24 hr)</b>	INFOTRAC 1-800-535-5053 (North America) 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Pale yellow                      **Physical State** Liquid Solution                      **Odor** Similar to chlorine

### Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Oxidizing Solids	Category 2

### Signal Word

**Danger**

### Hazard Statements

Toxic if swallowed, health damage after ingestion  
Fatal if inhaled  
Causes skin irritation, Skin eruptions may occur after direct contact.  
Causes corrosion injuries  
Causes serious eye damage  
May cause damage to organs  
May cause damage to organs through prolonged or repeated exposure  
Acidified Sodium Chlorite Gas Fumes cause respiratory problems.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear respiratory protection  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep/Store away from clothing and combustible materials  
 Take any precaution to avoid mixing with combustibles

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 Take off contaminated clothing and wash it before reuse  
 If skin irritation occurs: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth  
 IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acidified Sodium Chlorite	7758-19-2	4g/Liter

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures****General Advice**

If exposed or concerned: Get medical advice/attention.

**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. With open eyelid, instantly flush with copious amounts of lukewarm water for minimum 15 minutes. Continue rinsing. Immediately call a poison center or doctor/physician.

<b>Skin Contact</b>	Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	Immediately call a poison center or doctor/physician. Flush mouth with water. Instantly drink water in small quantities.

**Most important symptoms and effects**

<b>Symptoms</b>	Toxic if swallowed. Fatal if inhaled. Causes skin irritation. Causes serious eye damage. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.
-----------------	---

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Stomach Flush with gastroscope. Treat symptomatically.
---------------------------	--

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water. Foam.

<b>Unsuitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ).
---------------------------------------	------------------------------------

**Specific Hazards Arising from the Chemical**

Fire may cause dangerous smoke/gas: Acidified Sodium Chlorite

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	>Recover product and place in an appropriate airtight container.
<b>Methods for Clean-Up</b>	>Ventilate and clean the spill area with equipment. >Avoid formation of dust. >Rest spill residue with soda solution and flush with copious water.
<b>Security rules</b>	>Recover product and place in an appropriate airtight container

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on Safe Handling</b>	Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Wear protective
--------------------------------	---

gloves/protective clothing and eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid formation of dust during handling/pouring. Do NOT partially use powders; Use entire contents of package.

**Handling**  
 >**Handling:** Keep away from dirt, Store only in designated vessel or container. Follow dosage instructions. Product against humidity.  
 >**Fire and explosion protections:** Avoid heat.

**Storage**  
 >**Indications:** Keep away from acids, and combustible materials.  
 >**Storage: Dark and Cool Storage.**  
 >**Storage room:** Cool, dry, clean and locked, well ventilated.  
 >**Requirements of containers:** Useable materials are :E,PP,PVC (UV blocking). Containers must be dry and clean; clean with air sweep. Containers must be sealable.  
 >**Combined storage:** Keep away from metal salts, alkaloids, reducers and combusting material.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in original sealed packaging. Protect against humidity. Avoid heat or open flames. Keep away from acids and combustible materials. Store away from incompatible materials.

**Packaging Materials** Useable materials are PE, PP and PVC.

**Incompatible Materials** Acids. Reducing agents. Organic substances.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls**

**Engineering Controls** Showers. Eyewash stations. Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear goggles.

**Skin and Body Protection** Avoid skin contact. Wear protective clothing. When touching clothing immediately rinse with water.

**Respiratory Protection** Avoid inhalation of Acidified Sodium Chlorite at any time. Use respiratory equipment.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Keep away from food and beverages. Always wash hands after handling GO<sub>2</sub>. Respect the usual standard security procedures for chemicals.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid solution	<b>Odor</b>	Similar to chlorine
<b>Appearance</b>	Pale Yellow	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	10 approximately 100g/L water	
<b>Melting Point/Freezing Point</b>	Not determined	

<b>Boiling Point/Boiling Range</b>	Not determined
<b>Flash Point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not determined
<b>Upper Flammability Limits</b>	Not determined
<b>Lower Flammability Limit</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	Not determined
<b>Specific Gravity</b>	1.15 g/ Liter
	Max: 0.4 gm/L (4 ppm)
<b>Water Solubility</b>	Unlimited
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

>

### Reactivity

Not reactive under normal conditions.

Note: Product is fire enhancer (contact with other combustible goods might cause ignition)

Product is oxidative

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Thermal critical point >180°C (356°F). Product is combustible. Product is oxidative.

### Conditions to Avoid

Heat, flames and sparks. Incompatible Materials.

>Avoid heating reactions

>Metal salts (Transformation)

>Reducing Agents (Transformation)

>Oxidizers (Gas formation)

>Combustibles (fire Danger)

### Incompatible Materials

Acids. Reducing agents. Organic substances.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Causes serious eye damage.

**Skin Contact** Corrosive. Causes skin irritation.

**Inhalation** Fatal if inhaled.

**Ingestion**

Toxic if swallowed. Corrosive injuries in mouth and esophagus

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Liquid Acidified Sodium Chlorite 7758-19-2	= 165 mg/kg ( Rat )	= 107.2 mg/kg ( Rabbit )	= 230 mg/m <sup>3</sup> ( Rat ) 4 h

**Information on physical, chemical and toxicological effects****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Liquid Acidified Sodium Chlorite 7758-19-2		Group 3		

**Legend**

*IARC (International Agency for Research on Cancer)  
Group 3 IARC components are "not classifiable as human carcinogens"*

**STOT - single exposure**

Causes damage to organs.

**STOT - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

&gt; Kills all known water-borne viruses, bacteria, fungi, algae, mold, spores, giardia, cryptosporidia

&gt; No harmful Disinfection By-products (DBP's)

&gt; No TM's, HAA's, MX, bromides and bromines

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Liquid Acidified Sodium Chlorite 7758-19-2		100 - 500: 96 h Brachydanio rerio mg/L LC50 static 100: 96 h Lepomis macrochirus mg/L LC50 static 100: 96 h Oncorhynchus mykiss mg/L LC50 static		0.026: 48 h Daphnia magna mg/L EC50 0.25 - 0.33: 48 h Daphnia magna mg/L EC50 Flow through 0.012 - 0.018: 48 h Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Waste Name Soluble, other salts. Waste key number: 133200

**California Hazardous Waste Status**

<b>Chemical Name</b>	<b>California Hazardous Waste Status</b>
Liquid Acidified Sodium Chlorite 7758-19-2	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.  
>Dangerous product described by transport regulations (GGVS/GGVE/RID/IMDG-Code/ICAO-TI)  
Store in a cool, dry place, keep away from direct light, protect against fire.

**DOT**

**UN/ID No** UN1908  
**Proper Shipping Name** Acidified Sodium Chlorite  
**Hazard Class** 8  
**Packing Group** II ADR

**IATA**

**UN/ID No** UN1908  
**Proper Shipping Name** Acidified Sodium chlorite  
**Hazard Class** 8  
**Packing Group** II ADR

**IMDG**

**UN/ID No** UN1908  
**Proper Shipping Name** Acidified Sodium chlorite  
**Hazard Class** 8  
**Packing Group** II ADR  
**Marine Pollutant** This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Liquid Acidified Sodium Chlorite	Present	X		Present		Present	X	Present	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Liquid Acidified Sodium Chlorite 7758-19-2	X	X	X

## 16. OTHER INFORMATION

#### NFPA

#### **Health Hazards**

Not determined

#### **Flammability**

Not determined

#### **Instability**

Not determined

#### **Special Hazards**

Not determined

#### HMIS

#### **Health Hazards**

Not determined

#### **Flammability**

Not determined

#### **Physical Hazards**

Not determined

#### **Personal Protection**

Not determined

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

