

**SECTION 1: IDENTIFICATION**

**1.1. Identification**

Product form : Mixture  
 Product name : Mach Barrier Activator

**1.2. Recommended use and restrictions on use**

Use of the substance/mixture : Chlorine Activator

**1.3. Manufacturer**

Clear Lake Products, Inc.  
 21303 Highway 30  
 Filer, Idaho 83328  
 1-208-737-9887  
<https://www.clearlakesproducts.com/>

**1.4. Emergency telephone number**

Emergency number: 24 Hour Emergency HAZMAT Response (800) 229-5252.  
 EPA National Response Center (800) 424-8802.

**SECTION 2: HAZARD(S) IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**GHS-US classification**

Skin corrosion/irritation Category 1A H314  
 Specific target organ toxicity (repeated exposure) Category 2 H373

**2.2. GHS Label elements, including precautionary statements**

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage  
 H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) : P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
 P262 - Do not get in eyes, on skin, or on clothing.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 - Immediately call a poison center or doctor.  
 P314 - Get medical advice/attention if you feel unwell.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P322 - Specific treatment (see supplemental first aid instruction on this label)  
 P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.  
 P363 - Wash contaminated clothing before reuse.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards which do not result in classification**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Sodium Chlorite	(CAS-No.) 7758-19-2	5	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Dermal), H310 Skin Corr. 1, H314 STOT RE 2, H373

### SECTION 4: FIRST-AID MEASURES

#### 4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after skin contact : Burns
- Symptoms/injuries after eye contact : Serious damage to eyes.
- Symptoms/injuries after ingestion : Burns.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Only qualified personnel equipped with suitable protective equipment may intervene.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product..

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong reducing agents, powdered metals, phosphorus, sulfur compounds, zinc, ammonia, organic materials, acids, amines,
- Storage area : Store in a cool, dry area. Store out of direct sunlight.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid  
: Clear
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available
- Specific gravity / density : No data available
- Solubility : No data available
- Log Pow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Combustible materials.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Sodium Chlorite (7758-19-2)

ATE US (oral) (10% solution estimate)	>2,000 mg/kg bw
ATE US (dermal)	>2,000 mg/ kg bw

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause damage to organs through prolonged or repeated exposure.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/injuries	: Burns.
Symptoms/injuries after inhalation	: May cause slight irritation.
Symptoms/injuries after skin contact	: Burns.
Symptoms/injuries after eye contact	: Serious damage to eyes.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralization, the product may represent a danger to aquatic organisms.

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Sodium Chlorite (7758-19-2)			
Type	Species	Value	Exposure Time
LC50	Marine water fish	105 mg/L	96 hours
EC50	freshwater invertebrates	1 mg/L	48 hours
EC50	freshwater algae	1 mg/L	96 hours

### 12.2. Persistence and degradability

No additional information available.

### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

No additional information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Disposal methods

- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Sewage disposal recommendations : Prevent liquid from entering sewers, watercourses, underground or low areas.
- Ecology - waste materials : Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

- Transport document description : UN1908 (Chlorite solutions), 8, III
- UN-No.(DOT) : UN1908
- Class (DOT) : 8 - Corrosive
- Hazard labels (DOT) : 8 - Corrosive



- Packing group (DOT) : III - Minor Danger
- DOT Packaging Exceptions (49 CFR 173.xxx) : None
- Other information : No supplementary information available.

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal regulations

#### Mach Barrier Activator

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### Canadian Regulations

No additional information available.

#### EU-Regulations

No additional information available.

#### National regulations

No additional information available.

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### 15.3. US State regulations

#### US State regulations

##### Sodium Chlorite (7758-19-2)

SARA 311/312 : Hazards Reactivity Hazard, Acute Health Hazard

### SECTION 16: OTHER INFORMATION

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.