

## Chlorbrite

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Chlorbrite
<b>Other Means of Identification</b>	7868
<b>Other Identification</b>	UN1791
<b>Recommended Use</b>	Chlorine Bleach.
<b>Restrictions on Use</b>	No information available.
<b>Manufacturer/Supplier Identifier</b>	Sunburst Chemicals, Inc., 220 W. 86th St., Bloomington, MN, 55420, 952-884-3144
<b>Emergency Phone No.</b>	Emergency Telephone Number, 1-866-303-6943
<b>SDS No.</b>	0005

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

#### Classification

Oxidizing liquid - Category 2; Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1B; Serious eye damage - Category 1; Aquatic hazard (Acute) - Category 1; Aquatic hazard (Chronic) - Category 1

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

Harmful if swallowed.  
Causes severe skin burns and eye damage.  
Very toxic to aquatic life with long lasting effects.  
May be corrosive to metals.  
May intensify fire; oxidizer.

#### Precautionary Statement(s):

Prevention:  
Wash hands and skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wear protective gloves, protective clothing, eye protection, face protection.

---

Product Identifier: Chlorbrite - Ver. 5  
Date of Preparation:  
Date of Last Revision: November 04, 2019

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Take any precaution to avoid mixing with combustibles.  
In case of fire: Use dry chemical powder to extinguish.

#### General advice

Immediately call a POISON CENTRE or doctor.  
Immerse in cool water/wrap in wet bandages  
Absorb spillage to prevent material damage.

#### Eyes

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 CENTRE or doctor.

#### Skin

IF ON SKIN: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

#### Storage:

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

#### Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.  
Avoid release to the environment.

#### Other Hazards

Not applicable.

---

#### PRODUCT AT USE DILUTION

Acute toxicity (Oral) - Category 4. Skin corrosion - Category 2; Serious eye damage - Category 1.

Signal Word    Danger

#### Hazard Statements

Harmful if swallowed  
Causes skin irritation  
Causes eye damage

#### Precautionary Statement(s):

##### Prevention:

Wash hands and skin thoroughly after handling.  
Wear protective gloves / protective clothing / eye protection / face protection

---

Product Identifier:            Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision:        November 04, 2019

Page            02 of        10

**General Response:**

**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 CENTRE or doctor/physician.

**IF ON SKIN:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor / physician if you feel unwell.

**IF SWALLOWED:** Rinse mouth, sip a glass of water if able to do so. Do NOT induce vomiting. Call a POISON CENTRE immediately.

**Storage:**

Store in accordance with local regulations.

-----

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Water	7732-18-5	80-90		
Sodium hypochlorite	7681-52-9	10-15		
Sodium hydroxide	1310-73-2	0.05-1.0		

**Notes**

**PRODUCT AT USE DILUTION**

Contains ingredients listed above at weight % less than 0.02% (<200ppm)

**SECTION 4. FIRST-AID MEASURES**

**First-aid Measures**

**Inhalation**

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

**Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If symptoms persist, call a physician.

**Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek immediate medical attention/advice.

**Ingestion**

Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water.

Never give anything by mouth to an unconscious person. Remove from exposure, lie down.

Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control centre immediately.

**First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

-----

**PRODUCT AT USE DILUTION**

**EYE CONTACT:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention / advice.

**SKIN CONTACT:**

Wash off immediately with plenty of water for at least 15 minutes. Use mild soap if available. Get medical attention if irritation develops and persists.

**INHALATION:**

Get medical attention if symptoms occur.

---

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

**INGESTION:**

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention / advice.

**Most Important Symptoms and Effects, Acute and Delayed**

None known.

**Immediate Medical Attention and Special Treatment**

**Special Instructions**

Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media**

Water. Carbon dioxide (CO 2 ). Dry chemical.

**Unsuitable Extinguishing Media**

None known.

**Specific Hazards Arising from the Product**

The product causes burns of eyes, skin and mucous membranes, Thermal decomposition can lead to release of irritating and toxic gases and vapours, In the event of fire and/or explosion do not breathe fumes.

Oxidizer.

**Special Protective Equipment and Precautions for Fire-fighters**

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

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

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures**

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become slippery.

**Environmental Precautions**

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

**Methods and Materials for Containment and Cleaning Up**

Soak up with inert absorbent material. Clean contaminated surface thoroughly. Dike far ahead of liquid spill for later disposal. Take up mechanically, placing in appropriate containers for disposal. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

**Other Information**

**PRODUCT AT USE DILUTION**

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery

Environmental precautions:

Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.

Methods and materials for containment and cleaning up:

Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth,

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

-----

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

### Conditions for Safe Storage

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

-----

### PRODUCT AT USE DILUTION

Precautions for Safe Handling:

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Conditions for Safe Storage:

Keep out of reach of children. Store in suitable labeled containers.

-----

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium hydroxide	2 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>		
Sodium hypochlorite	0.5 ppm		0.5 ppm			

A5 = Not suspected as a human carcinogen.

### Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists. General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

#### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Yellow.
Odour	Chlorine
Odour Threshold	Not available
pH	10.5 - 11.5
Melting Point/Freezing Point	-26 °C (-15 °F) (melting); Not applicable (freezing)
Initial Boiling Point/Range	40 °C (104 °F)
Flash Point	Not available

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

Page 05 of 10

<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	1.2
<b>Solubility</b>	Soluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not applicable (kinematic); Not applicable (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>Use Dilution</b>	Use dilution pH is 9.5 - 10.5 pH
<b>VOC Content</b>	Not available
<b>Other Physical Property 3</b>	Oxidizer

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

Slowly decomposes on contact with air, increases depending on temperature and concentration; Exposure to sunlight accelerates decomposition.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Prolonged exposure to air.

Light.

Heat.

### Incompatible Materials

Strong acids and bases, Oxidizing agents, Ammonia, Amines, Ammonium salts, aziridine, methanol, phenyl acetonitrile, cellulose, ethyleneimine, soaps, and bisulfates.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Eye contact; skin contact.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium hydroxide	Not available	Not available	1350 mg/kg (rat)
Sodium hypochlorite	Not available	3000-5000 mg/kg (rat)	> 2000 mg/kg (rabbit)

LC50: No information was located.

LD50 (oral): No information was located.

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

Page 06 of 10

LD50 (dermal): No information was located.

**Skin Corrosion/Irritation**

Causes severe skin burns.

**Serious Eye Damage/Irritation**

Human experience and animal tests show serious eye damage.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Inhalation**

May cause irritation of respiratory tract.

**Ingestion**

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Aspiration Hazard**

No information was located.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No information available.

**Respiratory and/or Skin Sensitization**

No information available.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium hypochlorite	Group 3			

Group 3 – Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity**

**Development of Offspring**

No information was located.

**Sexual Function and Fertility**

No information was located.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

Not mutagenic.

**Interactive Effects**

No information was located.

**Other Information**

-----  
**PRODUCT AT USE DILUTION**

Inhalation: May cause irritation of respiratory tract.

Eye Contact: Causes serious eye damage

Skin Contact: Causes skin irritation.

Ingestion: Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.  
-----

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful, with long lasting effects to aquatic life, based on acute toxicity tests.

**Acute Aquatic Toxicity**

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium hydroxide	45.4 mg/L (Lepomis macrochirus (bluegill); static)	Not available	Not available	Not available
Sodium hypochlorite	0.28-1 mg/L (Lepomis macrochirus (bluegill); 96-hour; flow-through)	2.1 mg/L (Daphnia magna (water flea); 96-hour)	Not available	0.095 mg/L (24-hour)

#### Persistence and Degradability

No information available.

#### Bioaccumulative Potential

No information available.

#### Mobility in Soil

Studies are not available.

#### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	UN1791	Hypochlorite solutions (Sodium hypochlorite)	8	III

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**Emergency Response Guide No.** 154

## SECTION 15. REGULATORY INFORMATION

#### Safety, Health and Environmental Regulations

##### Canada

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

##### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

#### Additional USA Regulatory Lists

SARA Title III - Section 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019



Regulations, Part 372.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The hazard information as required on the pesticide label is reproduced in Section 2, Hazard Identification, of this safety data sheet.

SARA Title III - Section 311/312:

Acute Health Hazard	Yes	
Chronic Health Hazard	No	
Fire Hazard	No	
Sudden Release of Pressure Hazard	No	No
Reactive Hazard	No	No

California Proposition 65  
This product contains no Proposition 65 chemicals.

U.S. EPA Label Information  
U.S. EPA Registration Number 7870-1-670.

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CWA - Hazardous Substances :. (Sodium hypochlorite)  
CWA - Hazardous Substances :. (Sodium hydroxide)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Hazardous Substances RQs:  
Sodium Hypochlorite 100 lb final RQ/ RQ 45.4 kg final RQ  
Sodium Hydroxide 1000 lb final RQ/ RQ 454 kg final RQ

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

New Jersey Right To Know:. (Sodium hypochlorite)  
Massachusetts Right To Know:. (Sodium hypochlorite)  
Pennsylvania Right To Know:. (Sodium hypochlorite)

Massachusetts Right To Know:. (Sodium hydroxide)  
New Jersey Right To Know:. (Sodium hydroxide)  
Pennsylvania Right To Know:. (Sodium hydroxide)  
Illinois Right to Know:. (Sodium hydroxide)  
Rhode Island:. (Sodium hydroxide)

**SECTION 16. OTHER INFORMATION**

**NFPA Rating**            **Health - 3**    **Flammability - 0**    **Instability - 1**

**SDS Prepared By**    Sunburst Chemicals.

**Phone No.**            952-884-3144

**Date of Last Revision**    November 04, 2019

**Additional Information** -----  
PRODUCT AT USE DILUTION

NFPA Rating    Health – 2    Flammability - 0    Instability – 0

Product Identifier:        Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision:    November 04, 2019

-----

---

Product Identifier: Chlorbrite - Ver. 5

Date of Preparation:

Date of Last Revision: November 04, 2019

Page 10 of 10