

SDS Revision Date: 12/02/2020

**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product Identity** 3131**Alternate Names** 3131**1.2. Relevant identified uses of the substance or mixture and uses advised against****Intended use** Contact ChemStation representative.**Application Method** Contact ChemStation representative.**1.3. Details of the supplier of the safety data sheet****Company Name** ChemStation of Utah  
4464 W. 2100 S. Suite A  
Salt Lake City, UT 84120**Emergency****CHEMTREC (USA)** (800) 424-9300**Customer Service: ChemStation of Utah** (801) 935-3120**2. Hazard identification of the product****2.1. Classification of the substance or mixture**

Skin Corr. 1B;H314 Causes severe skin burns and eye damage.

Aquatic Acute 1;H400 Very toxic to aquatic life.

**2.2. Label elements****Danger**

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

**[Prevention]:**

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, face protection.

**[Response]:**

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 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, doctor or physician.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

**[Storage]:**

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents or container in accordance with local and national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations                | Weight % | GHS Classification  | Notes |
|---|----------|---|-------|
| Sodium hypochlorite<br>CAS Number: 0007681-52-9 | 10 - 25  | Skin Corr. 1B;H314<br>Aquatic Acute 1;H400<br><br>Eye Dam. 1;H318 | [1]   |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] FBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### Section 4. First-aid measures

#### 4.1. Description of first aid measures

|                   |   |
|-------------------|---|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.  |
| <b>Inhalation</b> | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| <b>Eyes</b>       | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.  |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.   |
| <b>Ingestion</b>  | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                 |  |
|-----------------|--|
| <b>Overview</b> | No specific symptom data available.<br>Check section 2.2 (GHS Label Elements) for further details. |
| <b>Skin</b>     | Causes severe skin burns and eye damage.   |

### Section 5. Fire-fighting measures

#### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapors or spray.

#### 5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

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### Section 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

## 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

# Section 7. Handling and storage

## 7.1. Precautions for safe handling

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

## 7.3. Specific end use(s)

No data available.

# Section 8. Exposure controls / personal protection

## 8.1. Control parameters

### Exposure

| CAS No.      | Ingredient          | Source   | Value                |
|--------------|---------------------|----------|----------------------|
| 0007681-52-9 | Sodium hypochlorite | OSHA     | No Established Limit |
|              |                     | ACGIH    | No Established Limit |
|              |                     | NIOSH    | No Established Limit |
|              |                     | Supplier | No Established Limit |

### Carcinogen Data

| CAS No.      | Ingredient          | Source | Value  |
|--------------|---------------------|--------|--|
| 0007681-52-9 | Sodium hypochlorite | OSHA   | Regulated Carcinogen: No   |
|              |                     | NTP    | Known: No; Suspected: No   |
|              |                     | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

## 8.2. Exposure controls

### Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

### Eyes

Wear approved eye protection. The use of a face shield is also recommended for skin protection in the area of the eyes. An eye wash station is suggested as a good workplace practice.

### Skin

Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

## Section 9. Physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                                      | Clear, Pale Yellow liquid  |
| <b>Odor</b>  | Mild, Chlorine   |
| <b>Odor threshold</b>                                  | Not Measured   |
| <b>pH</b>  | 11.5 - 14.0  |
| <b>Melting point / freezing point</b>                  | Not Measured   |
| <b>Initial boiling point and boiling range</b>         | 212 deg F  |
| <b>Flash Point</b>                                     | >200 degrees F PMCC (non-flammable)  |
| <b>Evaporation rate (Ether = 1)</b>                    | 0.33   |
| <b>Flammability (solid, gas)</b>                       | Not Applicable   |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured |
| <b>Vapor pressure (Pa)</b>                             | Not Determined   |
| <b>Vapor Density</b>                                   | Not Determined   |
| <b>Relative Density</b>                                | 1.100 - 1.222  |
| <b>Solubility in Water</b>                             | Not Measured   |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured   |
| <b>Auto-ignition temperature</b>                       | Not Measured   |
| <b>Decomposition temperature</b>                       | Not Measured   |
| <b>Viscosity (cSt)</b>                                 | Not Measured   |
| <b>Foaming</b>   | Low  |

### 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid high temperatures, heating, etc.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

No hazardous decomposition data available.

## Section 11. Toxicological information

### Acute toxicity

| Ingredient                        | Oral LD50,<br>mg/kg            | Skin LD50,<br>mg/kg        | Inhalation<br>Vapor LC50,<br>mg/L/4hr | Inhalation<br>Dust/Mist LC50,<br>mg/L/4hr | Inhalation<br>Gas LC50,<br>ppm |
|-----------------------------------|--------------------------------|----------------------------|---------------------------------------|---|--------------------------------|
| Sodium hypochlorite - (7681-52-9) | 1,100.00, Rat -<br>Category: 4 | , Rabbit -<br>Category: NA | 10.50, Rat -<br>Category: 4           | No data available                         | No data<br>available           |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|----------------|----------|--------------------|
|----------------|----------|--------------------|

|                               |    |  |
|-------------------------------|----|--|
| Acute toxicity (oral)         | —  | Not Applicable                           |
| Acute toxicity (dermal)       | —  | Not Applicable                           |
| Acute toxicity (inhalation)   | —  | Not Applicable                           |
| Skin corrosion/irritation     | 1B | Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | —  | Not Applicable                           |
| Respiratory sensitization     | —  | Not Applicable                           |
| Skin sensitization            | —  | Not Applicable                           |
| Germ cell mutagenicity        | —  | Not Applicable                           |
| Carcinogenicity               | —  | Not Applicable                           |
| Reproductive toxicity         | —  | Not Applicable                           |
| STOT-single exposure          | —  | Not Applicable                           |
| STOT-repeated exposure        | —  | Not Applicable                           |
| Aspiration hazard             | —  | Not Applicable                           |

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Very toxic to aquatic life.

#### Aquatic Ecotoxicity

| Ingredient                        | 96 hr LC50 fish, mg/l            | 48 hr EC50 crustacea, mg/l  | ErC50 algae, mg/l                          |
|-----------------------------------|----------------------------------|-----------------------------|--|
| Sodium hypochlorite - (7681-52-9) | 0.08, <i>Pimephales promelas</i> | 0.032, <i>Daphnia magna</i> | 0.40 (72 hr), <i>Dunaliella primolecta</i> |

### 12.2. Persistence and degradability

This product is fully biodegradable.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

### 14.1. UN number

UN1791

### 14.2. UN proper shipping name

Hypochlorite Solution

### 14.3. Transport hazard class(es)

8

### 14.4. Packing group

III

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS 1988 Classification** E

**US EPA Tier II Hazards**

**Fire:**

**Sudden Release of Pressure:**

**Reactive:**

**Immediate (Acute):**

**Delayed (Chronic):**

**EPCRA 311/312 Chemicals and RQs (lbs):**  
Sodium hypochlorite ( 100.00)

**EPCRA 302 Extremely Hazardous :**  
(No Product Ingredients Listed)

**EPCRA 313 Toxic Chemicals:**  
(No Product Ingredients Listed)

**Proposition 65 - Carcinogens (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Developmental Toxins (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Female Repro Toxins (>0.0%):**  
(No Product Ingredients Listed)

**Proposition 65 - Male Repro Toxins (>0.0%):**  
(No Product Ingredients Listed)

**N.J. RTK Substances (>1%):**  
Sodium hypochlorite

**Penn RTK Substances (>1%):**  
Sodium hypochlorite

## Section 16. Other information

|                         |            |
|-------------------------|------------|
| <b>Issue Date</b>       | 04/01/2015 |
| <b>Revision History</b> | 04/01/2015 |
|                         | 04/07/2015 |
|                         | 04/20/2015 |
|                         | 05/22/2015 |
|                         | 07/24/2015 |
|                         | 07/30/2015 |
|                         | 07/31/2015 |
|                         | 11/13/2015 |
|                         | 11/19/2015 |
|                         | 08/30/2016 |
|                         | 09/15/2018 |
|                         | 02/28/2019 |
|                         | 06/23/2020 |
|                         | 10/21/2020 |
|                         | 11/03/2020 |
|                         | 11/18/2020 |

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The full text of the phrases appearing in section 3 is:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

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