

# SAFETY DATA SHEET

## Section 1 – Product and Company Identification

**Product Name:** HYPO 150, Bleach, Sodium Hypochlorite    **Product Code:** HYPO150

Rowell Chemical Corporation  
 15 Salt Creek Lane – Suite 205  
 Hinsdale, IL 60521

Telephone Numbers:  
 During normal business hours: (630) 920-8833  
 Transportation emergency call Chemtrec: (800) 424-9300

Product Use: Industrial

It is a violation of federal law to use this product in a manner inconsistent with its labeling  
 Not recommended for: Household use

## Section 2 – Hazards Identification

**GHS Ratings:**

**DANGER**



Corrosive to metals	1	Corrosive to metals
Skin corrosive	1B	Destruction of dermal tissue
Eye corrosive	1	Serious eye damage, Irreversible damage
Oxidizing liquid	3	May intensify fire, oxidizer
Organ toxin single exposure	3	Transient target organ effects: Respiratory, Inhalation
Aquatic toxicity	C2	Acute toxicity and lack of rapid degradability

**GHS Hazards**

EUH031	Contact with acids liberates toxic gas
H272	May intensify fire, oxidizer
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H400+H411	Very toxic to aquatic life with long lasting effects

**GHS Precautions**

P234	Only keep in original container
P261	Avoid breathing dust/fume/gas/mist/vapors /spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a Poison Control Center or doctor/physician
P321	Specific treatment (See section 4 or First Aid section of the label)
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P301+P330+P331	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

# SAFETY DATA SHEET

P303+P361+P353 IF ON SKIN (or hair):  
 Remove/take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P405 Store locked up

P406 Store in a corrosion resistant container with a resistant liner

P403+P233 Store in a well ventilated place. Keep container tightly closed

P501 Dispose of contents/container to appropriate waste site or reclaim in accordance with local and national regulations

## Section 3 – Composition/Information on Ingredients

Hazardous Components		
Chemical Name	Identifiers	% (weight)
Sodium Hypochlorite	7681-52-9	12.50 – 15.00%
Sodium Hydroxide	1310-73-2	0-5%

## Section 4 – First Aid Measures

### Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure of yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while medical assistance is obtained. Call a poison control center or physician for treatment advice.

### Eye Contact:

Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing and contact medical assistance.

### Skin Contact:

Remove all contaminated clothing. Flush skin with water for at least 15 minutes, then wash with soap and water. Contact medical assistance for advice.

### Ingestion:

If victim is conscious, give 1-2 glasses of water or milk. Do not give anything to an unconscious victim. DO NOT induce vomiting and seek immediate medical assistance.

### Notes to Physician:

Probable mucosal damage may contradict the use of gastric lavage. Corrosive material

# SAFETY DATA SHEET

## Section 5 – Fire Fighting Measures

### Flammable Limits:

Flash Point: Not flammable

UEL: NA      LEL: NA

### Extinguishing Media:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

### Unusual Fire or Explosion Hazards:

Decomposes when heated. Decomposition products may cause containers to rupture or explode. May react vigorously with organic materials. Depending on temperature and concentration, decomposition products may cause other hazards. Sodium Chlorate crystals may cause fire or explosion if subjected to friction or impact.

### Hazardous Combustion Products:

Hydrogen Chloride, Chlorine (if in contact with metals), Oxygen, Sodium Chlorate

### Advice for Firefighters:

If evacuation of personnel is necessary, evacuate to an upwind location. Decontaminate personnel and equipment with water wash-down after fire and smoke exposure. Structural firefighters' protective clothing may only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. Use water spray to cool containers exposed to fire.

## Section 6 – Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions:

Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

#### Emergency Procedures:

As an immediate precautionary measure, isolate spill or leak area. Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

#### Environmental Precautions:

Avoid run off to waterways and sewers.

### Methods and material for containment and cleaning up

#### Small Spills:

Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for later disposal.

#### Large Spills:

Dike far ahead of liquid spill and prevent entry into waterways, sewers, basements or confined spaces. Neutralize with Sodium Sulfite (1 teaspoon in 2.5 gallons material) or dilute Hydrogen Peroxide (1 cup in 1 gal of water then use on spill). May also neutralize using ¼ teaspoon Ascorbic acid for each gallon of liquid. DO NOT use vinegar or acidic solutions on spill, this will produce dangerous gases.

# SAFETY DATA SHEET

**Section 7 – Handling and Storage**

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes. Keep containers closed when not in use. Do not mix with water without dilution and agitation to prevent potentially violent reaction. Do not mix with acids, ammonia, alcohol, ethers or hydrocarbons.

**Storage:**

Prevent material from freezing. Store at room temperatures, i.e., 40 to 95°F (4 - 35°C). Store away from direct sunlight and heat to slow normal decomposition. Do not handle or store material near heat, sparks, open flames or other sources of ignition.

**Section 8 – Exposure Control and Personal Protection**

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Hypochlorite 7681-52-9	NA	NA	STEL 2 mg/m <sup>3</sup> (AIHA)
Sodium Hydroxide 1310-73-2	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> (Ceiling)	NA

**Engineering Controls:**

Ensure that eyewashes and safety showers are close to the workstation.

**Ventilation Controls:**

Provide adequate ventilation to control airborne concentrations below the exposure guidelines.

**Administrative Controls:**

No Data Available

**Personal Protection:**

As prescribed in the OSHA Standard for Personal Protective Equipment (29CFR 1910.132), employers must perform a hazard assessment of the workplace to determine the need for proper PPE for each employee.

**Eye Protection:**

Normal industrial eye protection of safety glasses with side shields/goggles and face shield.

**Skin Protection:**

Avoid contact with skin. Wear long sleeved protective clothing. Wash hands before breaks and immediately after handling product. Wear chemical resistant gloves and chemical resistant boots.

**Respiratory Protection:**

If airborne concentration limits are exceeded, an approved respirator must be worn.

**Contaminated Equipment:**

Decontaminate equipment with a water wash-down.

# SAFETY DATA SHEET

## Section 9 – Physical and Chemical Properties

<p><b>Density:</b> 1.084 - 1.226 @ 20°C/68°F</p> <p><b>Freezing Point:</b> -11°F/-24°C for 12.5% NaOCL by wt.</p> <p><b>Boiling Point:</b> 219°F/104°C for 12.5% NaOCL by wt.</p> <p><b>Solubility:</b> Complete</p> <p><b>Evaporation Rate:</b> Not Available</p> <p><b>Appearance:</b> Clear, yellow liquid</p> <p><b>Physical State:</b> Liquid</p> <p><b>pH:</b> Strong Base &gt;12</p> <p><b>Odor/Odor Threshold:</b> Chlorine/0.9 mg/m<sup>3</sup></p> <p><b>Partition Coefficient (n-octanol/water):</b> Not Available</p>	<p><b>Viscosity:</b> 2.15 @23°C for 12.5% NaOCL by wt.</p> <p><b>Melting Point:</b> -11°F/-24°C for 12.5% NaOCL by wt.</p> <p><b>Vapor Density:</b> 2.6 g/cm<sup>3</sup> (21.697 lbs./gal)</p> <p><b>Vapor Pressure:</b> 12mmHg for 12.5% NaOCL by wt.</p> <p><b>Flammability:</b> Not Flammable</p> <p><b>Flash Point:</b> Not Flammable</p> <p><b>Decomposition Temperature:</b> Not Available</p> <p><b>Autoignition Temperature:</b> Not Flammable</p> <p><b>Explosive Limits:</b> Not Explosive</p>
---	--

## Section 10 – Stability and Reactivity

**Stability:**

Solution decomposes slowly. Decomposition rate increases in temperature >40°C/104°F and sunlight.

**Incompatibilities:**

Avoid contact with strong acids which releases chlorine gas, Nitrogen compounds, Ammonium salts, Methanol or metals.

**Hazardous Decomposition Products:**

Hydrogen chloride, Chlorine, oxides of Chlorine, oxygen, Sodium Chlorate

**Hazardous Polymerization:**

Will not occur.

## Section 11 – Toxicological Information

**Component Toxicity:**

Compound	LD50 Mode, species, level	LD50 Mode, species, level	LC50 Mode, species, level	Other Mode, species, level
Sodium Hypochlorite	oral, mouse, 5.81 g/kg	Dermal, rabbit, >20g/kg	NA	NA
Sodium Hydroxide	Intraperitoneal, mouse, 40 mg/kg	LDLO, oral, rabbit, 500 mg/kg	NA	NA

**Routes of Entry:**

Ingestion, Inhalation, Skin, Eyes

**Target Organs:**

No Data Found

**Effects of Overexposure:**

Causes severe skin burns and eye damage. Harmful if swallowed or absorbed through skin. May cause respiratory irritation, coughing, dizziness, nausea, or unconsciousness. Mucosal damage, vomiting.

# SAFETY DATA SHEET

**Section 12 – Ecological Information**
**Product Ecotoxicity:**

Toxic to aquatic life.

**Component Ecotoxicity:**

Component	Ecotoxicity values
Sodium Hypochlorite	96 Hr LC50 Pimephales promelas; 0.06 - 0.11 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas; 4.5 - 7.6 mg/L [static]; 96 Hr LC50 Lepomis macrochirus; 0.4 - 0.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.28 -1 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.05 - 0.771 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.03 - <0.19 mg/L [semi-static]; 96 Hr LG50 Oncorhynchus mykiss: 0.18 - 0.22 mg/L [static] 48 Hr EC50 Daphnia magna: 0.033 - 0.044 mg/L [Static]
Sodium Hydroxide	100 mg/l, Daphnia, minnows, lethal; 40 - 240 mg/l, Daphnia magna, toxicity threshold; 125 - 1000 mg/l, various insect larvae, lethal; 25 mg/l, 24hr, brook trout, lethal; 70 mg/l, 5hr, fish, crabs, lethal; 90 mg/l, 4.5hr, oysters, lethal, salt water; 180 mg/l, 23hr, oysters, lethal, salt water (Sax 1986).

**Section 13 – Disposal**
**Product Disposal:**

Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide, Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Container Disposal:**

Clean the container according to label instructions before final disposal.

**Section 14 – Transportation Information**

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

US DOT: Hypochlorite Solutions, UN 1791, III, 8, Marine Pollutant

# SAFETY DATA SHEET

## Section 15 – Regulatory Information

This listing is to highlight federal level regulation of the product. Individual States and other nations may have further regulations not listed below.

**US DOT List of Marine Pollutants (172.101 - Appendix B)**

7681-52-9 Sodium hypochlorite

**US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A)**

7681-52-9 Sodium hypochlorite 12.5%

1310-73-2 Sodium Hydroxide 15.0%

**US DOT List of Severe Marine Pollutants (172.101 - Appendix B)**

- None

**SARA Section 302 Extremely Hazardous Substances (40 CFR 355):**

- None

**Sara Section 302 Threshold Planning Quantity.**

- None

**SARA Section 313, Toxic Chemicals (40 CFR 372.65):**

- None

**SARA Reportable Quantity.**

7681-52-9 Sodium hypochlorite 12.5%

1310-73-2 Sodium Hydroxide 15.0%

**Toxic Substances Control Act (TSCA):**

All components are listed or exempt from the Toxic Substances Control Act except those listed below.

- None

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):**

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, part 372.

## Section 16 – Other Information



CHEMICAL NAME	PERSONAL PROTECTION INDEX	
<b>3 HEALTH</b>	<b>A</b>	<b>G</b>
<b>0 FLAMMABILITY</b>	<b>B</b>	<b>H</b>
<b>2 INSTABILITY</b>	<b>C</b>	<b>I</b>
<b>D PPE</b>	<b>D</b>	<b>J</b>
	<b>E</b>	<b>K</b>
	<b>F</b>	<b>X</b> Ask your supervisor for special handling instructions.

Date Prepared: 01/16/2018

Reviewer Revision: 5.0

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by Rowell Chemical Corporation. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of

# SAFETY DATA SHEET

any kind is given or implied and Rowell Chemical Corporation will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.