

# Safety Data Sheet

Issue date: 2/17/2015

## Section 1: Product and Company Information

Product Identifier: **ACS Sodium Hypochlorite**  
Product Code/SKU: 100101,100101-15, 100101-55, 100102

Recommended Use: Sanitizer/ Laundry Destainer  
Restrictions on Use: Use only for purpose found on label.  
Product Dilution Information: Per label instructions

Manufacturer: **American Chemical Systems II, LLC**  
**3505 W. 29th Street South**  
**Wichita, KS USA 67217**  
**(800)889-3489**  
**americanchemicalsystems.com**

Emergency Telephone: Chemtrec 1-800-424-9300 USA and Canada

## Section 2: Hazard Identification

**Product as Sold**

GHS Classification: Corrosive to metals - category 1  
Skin irritation/corrosion  
Eye irritation/eye damage

GHS Labeling Element  
Signal Word: No signal word  
Symbol: No symbol

Hazard Statement: Corrosive to metals  
Causes skin and eye damage

Precautionary Statements:  
Prevention: Wear protective clothing, gloves, and eye and face protection.  
Response:  
If swallowed: Rinse mouth, do not induce vomiting.  
If on skin: Wash with water, remove contaminated clothing.  
Inhalation: Remove person to fresh air - administer artificial respiration if not breathing.  
If in eye: Flush continuously with water - remove contacts and continue flushing with water.  
Treatment: Seek medical assistance if symptoms persist.

Storage: Keep product stored in original container, in an upright position, with container tightly closed.

Disposal: Dispose of contents/container according to local/regional regulations.

Other Hazards: None known

## Section 3: Composition/Information on Ingredients

**Product as Sold**

Substance/Mixture:	Mixture	Product Identifier	%
Chemical name		CAS 007681-52-9	10
Sodium Hypochlorite			

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable,

are classified as hazardous to health or to the environment and hence require reporting in this section.

### Section 4: First Aid Measures

<b>First Aid Measures:</b>	<b>Product as Sold</b>
General:	Never give anything by mouth to an unconscious person. If you feel unwell, then seek medical assistance.
If swallowed:	Rinse mouth, do not induce vomiting.
If on skin:	Wash with water, remove contaminated clothing.
Inhalation:	Remove person to fresh air - administer artificial respiration if not breathing.
If in eye:	Flush continuously with water - remove contacts and continue flushing with water.
Treatment:	Seek medical assistance if symptoms persist.
<b>Important Symptoms and Effects, both Acute and Delayed</b>	
Symptoms/Injuries:	Causes severe skin burns and eye damage. Effects of exposure may be delayed.
If swallowed:	Ingestion is likely to be harmful and have adverse health effects.
If on skin:	Causes skin burns.
Inhalation:	Symptoms may cause irritation to the respiratory tract.
If in eye:	Causes eye damage.
Recommendation:	Seek medical assistance if symptoms persist or concerns are present.
First Aid Providers	All first aid providers should receive proper training before performing any first aid act that would involve personal risk. Wash contaminated clothing with water thoroughly before removal or wear gloves.

### Section 5: Firefighting Measures

<b>Suitable Fire Extinguishing</b>	
Media:	No special media necessary. Use extinguishing media appropriate for surrounding fire.
Special Hazards:	Product is non flammable and is not explosive. Product is corrosive to metals as sold.
Advice for Firefighters:	Exercise caution when fighting any chemical fire. Use a water spray to cool containers. Do not enter fire area without proper protective equipment, including respiratory protection.

### Section 6: Accidental Release Measures

Personal Precautions:	Initiate company's spill procedures. Do not walk through or touch spilled product. Do not get on skin, in eyes, or on clothing. Put on appropriate personal protection equipment.
Environmental Precautions:	Avoid runoff into public waterways, sewers, or onto soil.
Methods for Clean Up:	Follow company's spill procedures. Put on appropriate protective clothing. Neutralize/absorb spilled product with inert material. Dispose of inert material by placing in suitable container. Dispose of waste safely. Rinse with water for a final clean up.

### Section 7: Handling and Storage

<b>Precautions for Safe Handling:</b>	Do not get on skin, in eyes, or on clothing. Do not breathe vapor or mist. Do not handle until all safety procedures have been read and understood. Wash hands and other exposed areas with soap and water after handling.
Conditions for Safe Storage:	Keep product in original container, in an upright position, with container tightly closed. Keep out of reach of children.

### Section 8: Exposure Controls/Personal Protection

<b>Control parameters:</b>	
<b>Ingredient Name</b>	<b>Exposure Limits</b>
Sodium Hydroxide	USA ACGIH TLV N/EST
Sodium Hydroxide	ACGIH STEL N/EST
Sodium Hydroxide	OSHA PEL N/EST

<b>Engineering Controls:</b>	<b>Product as Sold</b>
	Use adequate ventilation. Keep vapor/fumes below statutory limits. Provide availability to water to flush skin or eyes in case of exposure.

**Personal Protection:**

Hand protection: Wear chemical resistant gloves

Eye protection: Use chemical splash goggles. For severe exposure, wear face shield.

Skin protection: Wear suitable protective clothing.

Respiratory protection: Not necessary under normal operating and intended use of this product.

General: Wash hands, face, and arms after handling chemical products and before eating, drinking, or using restroom. Wash contaminated clothing before wearing again.

**Section 9: Physical and Chemical Properties**

	Product as Sold	Product at use Dilution
Physical state:	Liquid	
Color:	Yellow	
Odor:	Chlorite	
pH:	14-Dec	
Evaporation rate:	No data available	
Melting point:	No data available	
Freezing point:	No data available	
Boiling point:	No data available	
Flash point:	No data available	
Explosion limits:	No data available	
Flammability (solid/gas):	No data available	
Vapor pressure:	17.5 @20C	
Vapor density:	No data available	
Relative density:	>1 (water=1)	
Solubility:	No data available	
Decomposition temperature:	No data available	

**Section 10: Stability and Reactivity**

Reactivity: Corrosive to metals.

Chemical stability: Stable.

Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extreme temperatures. Contact with metal.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Metals.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not occur.

**Section 11: Toxicological Information**

Routes of Exposure: Ingestion. Skin contact. Inhalation. Eye contact.

	Product as Sold
Symptoms: Ingestion:	Adverse effects: stomach pains
Skin Contact:	Adverse effects: irritation, redness, blisters
Inhalation:	Adverse effects: cough, respiratory irritation
Eye Contact:	Adverse effects: redness, watering, irritation
Acute Toxicity: Ingestion:	May cause burns to mouth, throat, stomach
Skin Contact:	May cause skin burns
Inhalation:	May cause respiratory irritation
Eye Contact:	May cause serious eye damage.

Toxicity Data: Sodium Hydroxide (1310-73-2) LD50 rabbit 1350 mg/kg

Carcinogenicity: No known effects or critical hazards

Reproductivity: No known effects or critical hazards

**Section 12: Ecological Information**

Toxicity:		Exposure	Time	
Sodium Hydroxide (1310-73-2)	LD50 Fish1	94 ug/L	96 h	Cutthroat trout
	IC 50 Invertebrate	31.6 ug/L	7 h	Diverse
	Protozoan phylum	LC50 90ug/L	96 h	Protozoa
	Algae phytoplankton	LC50 230 ug/L	35 h	Algae
	Aquatic community	LC50 2.1 ug/L	28 d	Chlorophyl

Persistence and degradability: Not established

Bioaccumulative potential: Not established

Mobility in Soil: Not established

Other adverse effects: None noted

**Section 13: Disposal Considerations**

**Product as Sold**

Disposal methods: Discharge, treatment, and disposal may be subject to Federal, State, or Local laws. Disposal regulations may vary.

**Section 14: Transport Information**

In accordance with: ICAO/IATA/DOT/TDG

**Product as Sold**

DOT Classification: UN 1791  
DOT Shipping name: Sodium Hypochlorite  
Class: 8  
Packing Group: III  
Bulk Transport: See shipping documents for specific transportation information  
Marine Pollutant: No

**Section 15: Regulatory Information**

US Federal Regulations:  
TSCA 8(b) Inventory Yes  
SARA 304 No chemicals subject to reporting  
SARA 311/312 Acute health hazard  
SARA 302 No chemicals subject to reporting  
SARA 313 No chemicals subject to reporting

**Section 16: Other Information**

**Product as Sold**

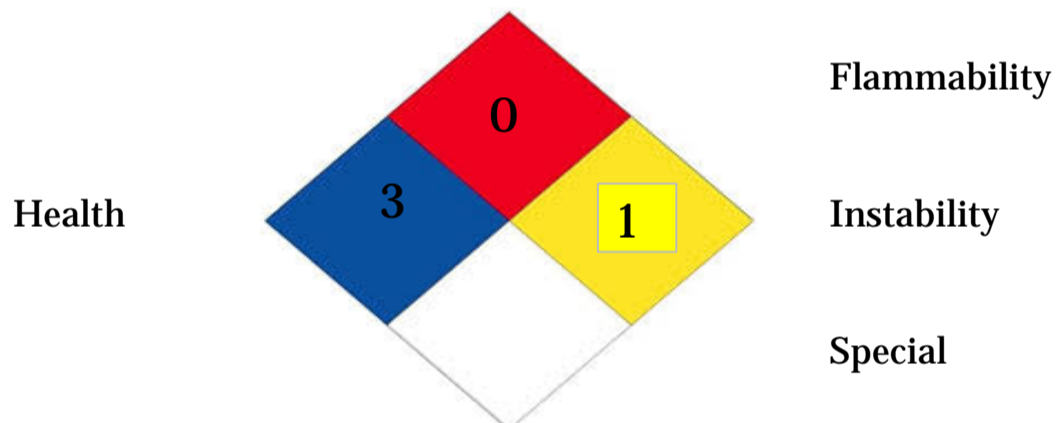
**Product at use Dilution**

Hazardous Material Information System:

Health	3
Flammability	0
Physical Hazards	0

Health	0
Flammability	0
Physical Hazards	0

National Fire Protection Association (U.S.A.)



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