

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

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/Ingredients

Product as Sold

Substance/Mixture: Mixture

Chemical name	Product Identifier	%
Sodium Hypochlorite	CAS 007681-52-9	10

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

First Aid Measures:	Product as Sold
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.
Important Symptoms and Effects, both Acute and Delayed	
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

Suitable Fire Extinguishing	
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: Spill and Leak Procedures

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

Precautions for Safe Handling:	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 Limits and Protection

Control parameters:

Ingredient Name	Exposure Limits	
Sodium Hydroxide	USAACGIH TLV	N/EST
Sodium Hydroxide	ACGIH STEL	N/EST
Sodium Hydroxide	OSHA PEL	N/EST

Product as Sold

Engineering Controls: 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

Physical state: Liquid

Color: Yellow

Odor: Chlorine

pH: 12-14

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 1350111 g/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 Fish 1	94 ug/L	96 h	Cutthroat trout
	IC 50 Invertebrate	31.6 ug/L	7h	Diverse
	Protozoan phylum	LC50 90 ug/L	96h	Protozoa
	Algae phytoplankton	LC50 230 ug/L	35 h	Algae

	Aquatic community	LC50 21 ug/L	28 d	Chlorophyl
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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
 SARA304 No chemicals subject to reporting
 SARA 311/312 Acute health hazard
 SARA302 No chemicals subject to reporting
 SARA 313 No chemicals subject to reporting

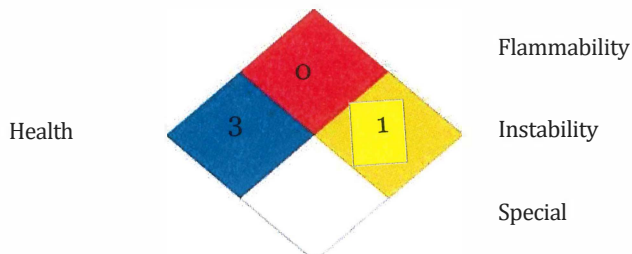
Section 16: Other Information

Product as Sold

Hazardous Material Information System:

Health	3
Flammability	0
Physical Hazards	0

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



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