

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

Chemtrec 1-703-527-3887 Outside 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

| 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

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|------------------------------------|---|
| 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: Accidental Release Measures

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| 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

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| Precautions for Safe Handling: | |
| 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 Controls/Personal Protection

| | | | |
|----------------------------|-----------------|--|-------|
| Control parameters: | | | |
| Ingredient Name | Exposure Limits | | |
| Sodium Hydroxide | USA ACGIH TLV | | N/EST |
| Sodium Hydroxide | ACGIH STEL | | N/EST |
| Sodium Hydroxide | OSHA PEL | | N/EST |

Product as Sold

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| 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

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| 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

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| 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

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|-----------|------------------------------|---------------------|---------------|----------------------|
| 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 | 7 h Diverse |
| | | Protozoan phylum | LC50 90 ug/L | 96h 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:

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|---------------------|-----------------------------------|
| 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 |

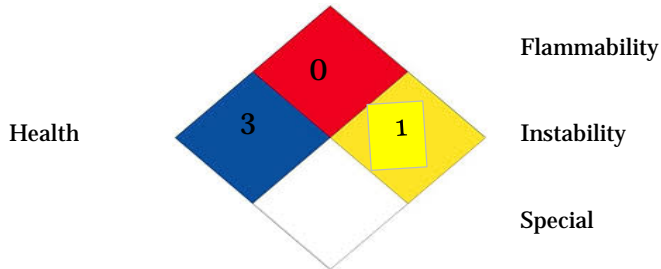
Section 16: Other Information

Product as Sold

Hazardous Material Information System:

| | |
|------------------|---|
| Health | 3 |
| Flammability | 0 |
| Physical Hazards | 0 |

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



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