



# Safety Data Sheet

Issue Date 21-Sept-2015

Revision Date: 21-Sept-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name Ship Shape

### Other means of identification

N/A

### Recommended use of the chemical and restrictions on use

Recommended Use Cleaning solution.

### Details of the supplier of the safety data sheet

#### Supplier Address

Superior Chemical Corporation  
1331 Wisconsin Ave.  
Sheboygan, WI 53081

### Emergency Telephone Number

Company Phone Number 1-800-242-7694  
Emergency Telephone (24 hr) ChemTrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

Physical State Liquid

### Classification

Acute toxicity – Oral	Category 2
Acute toxicity – Dermal	Category 1
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1

### Signal Word

Danger

### Hazard Statements

Harmful if swallowed  
Harmful in contact with skin  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye damage



---

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a poison center or doctor/physician if you feel unwell  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Water	7732-18-5	28-30
Hydrochloric Acid	7647-01-0	48-53

The specific chemical identity of this composition is being withheld as a trade secret.

**4. FIRST-AID MEASURES****First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Immediately flush with water for 15 minutes while removing contaminated clothing. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. Call a physician if you feel unwell.
<b>Ingestion</b>	If material has been swallowed and the exposed person is conscious, give small quantities of water. Do not induce vomiting. Seek medical attention immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause eye burns and permanent eye damage. Contact may cause irritation and redness. May cause irritation to the mucous membranes and upper respiratory tract.
-----------------	---

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Non-flammable or combustible.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. If conditions are safe, remove containers from fire area or cool with a stream of water.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Neutralize solution with a dilute acid. Place in appropriate containers for disposal. Dispose of in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Use only in well-ventilated areas. Do not use pressure to empty drums.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store away from incompatible materials.

**Incompatible Materials** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric Acid	As F, skin: 0.5 ppm TWA; 5 ppm Ceiling	5 ppm TWA	50 ppm

### Appropriate engineering controls

**Engineering Controls**                      Ventilation systems. Eyewash stations.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection**                      Wear chemical goggles OR full face shield to protect face.

**Skin and Body Protection**                      Rubber gloves.

**Respiratory Protection**                      Wear appropriate OSHA/MSHA approved chemical cartridge respirator regulations found in 29CFR 1910.134. If more than TLV, do not breathe vapour. Wear self-contained breathing apparatus. Always use an NIOSH-approved respirator when necessary

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Strong acidic
<b>Appearance</b>	Not determined	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Blue/Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	0.5-1.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	>100°C	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.14-1.6	
Water Solubility	Soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Acids. Acidic mixtures.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Causes serious eye damage.

**Skin Contact** Causes skin irritation. Harmful in contact with skin.

**Inhalation** Harmful if inhaled.

**Ingestion** Harmful if swallowed.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric Acid	Rat 700 mg/kg.		Rat: 3124 ppm/1H

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
None				

#### Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

---

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**RCRA –Resource  
Conservation and Recovery  
Authorization Act Hazardous  
Waste**

D002 (Corrosive)

**Disposal Methods**

Where possible recycling is preferred to disposal or incineration. If recycling is not practical, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

### Product AS SOLD

The shipper/cosignor/sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport.

### Land Transport (DOT)

UN number : 1789  
Description of goods : Hydrochloric Acid 60% or less  
strength  
Class : 8  
Packing Group : II  
Environmental Hazards : No

## 15. REGULATORY INFORMATION

International Inventories : Not determined

### US Federal Regulations

SARA 313 : CAS# 7664-39-3: Acute, chronic

SARA 311/312 : This material contains Hydrochloric acid (CAS# 7647-01-0, 48-50%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373

US State Regulations : State Right to Know: Hydrochloric acid can be found on the following state Right-to-Know lists: Connecticut, Illinois, Rhode Island, Louisiana, California, New Jersey (RTK# 3759), Pennsylvania, Minnesota, Massachusetts (10 lbs RQ).

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth or other reproductive defects.

## 16. OTHER INFORMATION

<u>NEPA</u>	Health Hazards	Flammability	Instability	Special Hazards Not
	2	0	1	determined <b>Personal</b>
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	<b>Protection</b> Not
	2	0	1	determined

Issue Date : 21-Sep-2015  
Revision Date: 21-Sep-2015  
Revision Note : New format

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

