



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** Cynamic Clinger

**Other means of identification**

**Product Code** X004003

**UN/ID No** UN 3264

**Document** 004003C1Q12

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

**Recommended use** Clinging Acid Bowl Cleaner

**Details of the supplier of the safety data sheet**

**Distributor**

Cynamic Chemical  
1472 Louis Bork Drive  
Batavia, IL 60510  
Emergency telephone number  
24 Hour Emergency Phone Number INFOTRAC: 1-800-535-5053 (NORTH AMERICA)  
1-352-323-3500 (INTERNATIONAL)

**Company Phone Number** 630-761-8770

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)


Acute toxicity - Inhalation (Gases)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Label elements**

**Emergency Overview**

**Danger**

**Hazard Statements**  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye damage



**Appearance** Translucent      **Physical state** Liquid      **Odor** Mint Wintergreen

**Precautionary Statements - Prevention**

- Avoid breathing dust/fume/gas/mist/vapors/spray

- Use only outdoors or in a well-ventilated area
- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- 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 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: Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to approved disposal facility

**Hazards not otherwise classified (HNOC)**

**Other information**

Unknown Acute Toxicity 2.517% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight-%	Trade Secret
Hydrochloric acid	7647-01-0	< 10%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures for different exposure routes**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash with soap and water after exposure. Get medical attention. .
<b>Inhalation</b>	Remove to fresh air. Give oxygen and/or artificial respiration if necessary to support or restore breathing.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water to dilute contents in stomach. Consult a physician. Immediate medical attention is required.
<b>Protection of First-aiders</b>	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other

proper respiratory medical device. Avoid contact with skin.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing in spray mist or vapors.

**Other information** Common Weak Bases suitable for neutralizing corrosive acids: calcium hydroxide / lime, baking soda / sodium bicarbonate, soda ash / washing soda / sodium carbonate, medical antacids, and powdered limestone / calcium carbonate.

**Environmental precautions**

**Environmental precautions** Neutralization is normally necessary before waste water is discharged into water treatment plants. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

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

**Methods for cleaning up** Contain spill. Neutralize with weak base solution. Flush with large quantity of water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Store in cool, dry, well ventilated area. Do not eat, drink or smoke when using this product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

**Incompatible products** Cyanides. Alkalis. Common Metals . Bleach.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid 7647-01-0	-	Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>

NIOSH IDLH: *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers or an equivalent method of decontamination are close to the work location.

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

- Eye/Face Protection** Splash-proof chemical goggles or face shield.
- Skin and body protection** Acid proof gloves, impervious rubber boots & apron.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

<p><b>Physical state</b> Liquid</p> <p><b>Appearance</b> Translucent</p> <p><b>Color</b> Green</p>	<p><b>Odor</b> Mint Wintergreen</p> <p><b>Odor Threshold</b> No information available</p>
<p><b>Property</b></p> <p><b>pH</b> 1.0 +/- 0.5</p> <p><b>Melting/freezing point</b> No information available</p> <p><b>Boiling point/boiling range</b> 99 °C / 210 °F</p> <p><b>Flash Point</b> No information available</p> <p><b>Evaporation rate</b> About the same as water</p> <p><b>Flammability (solid, gas)</b> No information available</p> <p><b>Flammability Limits in Air</b></p> <p style="padding-left: 20px;"><b>Upper flammability limit</b> No information available</p> <p style="padding-left: 20px;"><b>Lower flammability limit</b> No information available</p> <p><b>Vapor pressure</b> NE</p> <p><b>Vapor density</b> NE</p> <p><b>Relative density</b> 1.031 +/- 0.005</p> <p><b>Water solubility</b> Completely soluble.</p> <p><b>Solubility in other solvents</b> No information available</p> <p><b>Partition coefficient: n-octanol/water</b> No information available</p> <p><b>Autoignition temperature</b> No information available</p> <p><b>Decomposition temperature</b> No information available</p>	<p><b>Remarks • Methods</b></p> <p>Similar to water</p> <p>Completely soluble.</p>

Viscosity, kinematic No information available  
 Viscosity, dynamic No information available  
 Explosive properties No information available  
 Oxidizing Properties No information available

**Other information**

Softening point N/A  
 Molecular Weight N/A  
 VOC Content(%) < 1%  
 Density VALUE N/A  
 Bulk Density VALUE N/A

**10. STABILITY AND REACTIVITY**

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Reacts with chlorine-containing products such as bleach to produce toxic gas.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Cyanides. Alkalis. Common Metals . Bleach.

**Hazardous Decomposition Products**

Hydrogen chloride. Hydrogen gas by reaction with incompatible metals.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information** Harmful by inhalation Causes skin irritation Severe eye irritant

**Inhalation** Inhalation may cause severe respiratory irritation and pulmonary edema.

**Eye contact** Corrosive to the eyes and may cause severe damage including blindness.

**Skin contact** Contact causes severe skin irritation and possible burns.

**Ingestion** Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Hydrochloric acid 7647-01-0	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid 7647-01-0	-	Group 3	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)  
 Known - Known Carcinogen  
 OSHA: (Occupational Safety & Health Administration)  
 X - Present

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** No information available. Avoid repeated exposure.  
**Aspiration hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 2.517% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**Oral LD50** 10,417.00 mg/kg  
**Gas** 11,735.46 mg/l  
**Mist** 10.44 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

3.977% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydrochloric acid 7647-01-0	-	282: 96 h Gambusia affinis mg/L LC50 static	-

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

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

**Contaminated packaging** Do not reuse container.

## 14. TRANSPORT INFORMATION

**Note** Can ship as "Limited Quantity" so long as the container size itself is not over 1.3 gallons (5 liters) and the gross weight of the total package does not exceed 30 kg (66 pounds)

**DOT** Regulated  
**UN/ID No** UN 3264  
**Proper shipping name** Corrosive Liquid, Acidic, Inorganic, n.o.s. (Hydrochloric Acid)  
**Hazard class** 8  
**Packing Group** II  
**Emergency Response Guide Number** 154

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	-
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (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:

Chemical Name	SARA 313 - Threshold Values %
Hydrochloric acid - 7647-01-0	1.0

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	Yes

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric acid 7647-01-0	5000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrochloric acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

**U.S. State Right-to-Know Regulations**

This product contains substances regulated by state right-to-know regulations.

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Hydrochloric acid 7647-01-0	X	X	X
<b>16. OTHER INFORMATION</b>			

<b><u>NFPA</u></b>	<b>Health Hazards 3</b>	<b>Flammability 0</b>	<b>Instability 0</b>	<b>Physical and chemical hazards COR</b>
<b><u>HMIS</u></b>	<b>Health hazard 3</b>	<b>Flammability 0</b>	<b>Physical hazards 0</b>	<b>Personal protection X</b>

**Prepared By** Cynamic Chemical  
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**Issue Note**  
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**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.

**End of Safety Data Sheet**