



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>9% HCL Bowl Cleaner</b>	
<b>Other means of identification</b>		
<b>Product code</b>	CU-1221	
<b>Recommended use</b>	Acid bowl cleaner	
<b>Recommended restrictions</b>	Professional use only. Use as directed	
<b>Manufacturer information</b>		
<b>Company name</b>	<b>Chemical Universe, Inc.</b>	
<b>Address</b>	1133 Saline Street North Kansas City, MO 64116	
<b>Telephone</b>	(816) 471-3602	
<b>FAX</b>	(712) 474-3302	
<b>Emergency phone number</b>	PERS 24-hour Emergency	(800) 633-8253 (800) 633-8253

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage.	Category 1
	Skin corrosion.	Category 1
	Acute toxicity, oral.	Category 4
<b>Environmental hazards</b>	Not classified	
<b>OSHA defined hazards</b>	None	
<b>Label elements</b>		



<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement</b>	May be harmful if swallowed. Causes severe skin burns and eye damage.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not breathe dusts or mists. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	<b>IF SWALLOWED:</b> Rinse mouth. Do NOT induce vomiting. <b>IF ON SKIN (or hair):</b> Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. <b>IF INHALED:</b> Remove person to fresh air and keep comfortable breathing. Immediately call a POISON CENTER/doctor/medical professional. Specific treatment (see supplemental information on this label). <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None.



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Supplemental information None.

## 3. Composition/information on ingredients

Mixtures Component(s)		
Chemical name	CAS number	%
Hydrochloric Acid	7647-01-0	5-10
Other components below reportable levels		90-95

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Can cause serious eye damage. Can cause burning sensation in affected areas. Shortness of breath, respiratory tract irritation or damage. Hydrochloric acid is extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with extreme caution.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed (hydrogen chloride gas).
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is fully miscible in water.  Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry



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sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into surface drainage paths or other areas not consistent with package labeling.

## 7. Handling and storage

### Precautions for safe handling

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Hydrochloric acid	PEL	5 ppm

#### US ACGIH Threshold Limit Values

Components	Type	Value
Hydrochloric acid	STEL	2 ppm

### Biological limit values

No information.

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

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

#### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber.

##### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.



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### General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

### Appearance

Physical State	Viscous liquid
Color	Blue
Odor	Mint/herbal
Odor threshold	Not available.
pH	0-1
Melting/freezing point	14°F (-10°C) estimated.
Initial boiling point and boiling range	>212°F (>100°C)
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	<0.01 mmHg at 77°F (25°C).
Vapor density	Not available.
Specific gravity (water=1)	1.03
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

## 10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Avoid storage in elevated temperatures.
Incompatible materials	Strong bases, amines, metals, <b>DO NOT MIX WITH BLEACH PRODUCTS</b>
Hazardous decomposition products	No hazardous decomposition products occur. In case of fire see section 5.

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion	Do not ingest. May be harmful if swallowed.
Inhalation	Do not inhale. May cause damage to the upper respiratory tract.
Skin contact	Can cause severe skin burns.



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**Eye contact** Can cause serious eye damage.

**Symptoms related to the physical, chemical and toxicological characteristics** Burning sensation, coughing, wheezing, shortness of breath. Hydrochloric acid is extremely destructive to mucous membranes and upper respiratory tract, eyes, and skin. Redness, swelling and excessive tearing of the eyes

**Acute toxicity** May be harmful if swallowed.

Product 9% HCL Bowl Cleaner (CAS mixture)		
Exposure Classification	Route and Species	LD <sub>50</sub>
Acute	Oral, rat	>3,410 mg/kg (estimated)
Acute	Dermal, rabbit	>18,200 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

**Skin corrosion/irritation** Can cause severe skin burns.

**Serious eye damage/ irritation** Can cause serious eye damage.

**Respiratory sensitization** Not considered a respiratory sensitizer.

**Skin sensitization** Not considered a skin sensitizer.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not considered a carcinogen.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not Listed.

**Reproductive toxicity** No data available.

**Specific target organ toxicity – single exposure** May cause damage to the upper respiratory tract with prolonged inhalation.

**Specific target organ toxicity – repeated exposure** No data available.

**Aspiration hazard** No data available.

## 12. Ecological information

Ecotoxicity		
Product 9% HCL Bowl Cleaner (CAS mixture)		
Aquatic Receptor	Species	LC <sub>50</sub>
Fish	Fathead Minnow ( <i>Pimephales promelas</i> )	LC <sub>50</sub> (96-hr) >210 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

**Persistence and degradability** No data available. Not expected to persist in an open environment

**Bio-accumulative potential** Not data available This product will not bio-accumulate in dynamic systems

**Partition coefficient n-octanol/water (log K<sub>ow</sub>)** Not applicable

**Mobility in soil** No data available. Listed components are inorganic and highly water-soluble. In aqueous medium, the listed chemical(s) will readily dissociate into ionic molecules that will be weakly adsorbed onto organic matter particles. These components are expected to exhibit moderate to high mobility in saturated and semi-saturated soils.

**Other adverse effects** May be harmful to plants or wildlife in high concentrations. No other adverse environmental effects known (*i.e. ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor or other deleterious environmental effect*)

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.



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<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Hazardous waste code</b>	As packaged, this product may meet criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues/unused product</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### USDOT

<b>UN number</b>	UN3264
<b>UN proper shipping name</b>	Corrosive liquids, acidic, inorganic n.o.s. (Contains: hydrochloric acid)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packaging group</b>	III
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Read safety instructions, SDS, and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not intended to be transported in bulk.
<b>DOT Label/Placard</b>	



### 15. Regulatory information

#### US federal regulations

<b>SARA 302 Extremely hazardous substance</b>	Not listed.
<b>SARA 304 Emergency release notification</b>	Not listed.
<b>SARA 311/312 Hazard Categories</b>	
Immediate Hazard - Yes	
Delayed Hazard - No	
Fire Hazard - No	
Pressure Hazard - No	
Reactivity Hazard - No	
<b>SARA 313 (TRI reporting)</b>	Not listed.



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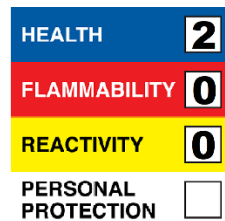
California Proposition 65

### California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (12/2020)

### 16. Other information, including date of preparation or last revision

Issue date 5/18/2018  
Revision date 3/16/2021  
Version # 3  
HMIS® ratings Health: 2  
Flammability: 0  
Physical hazard: 0



**Acid**

NFPA ratings Health: 2  
Flammability: 0  
Instability: 0



#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

#### Revision information

General format update; Toxicity classification 5-4.; Disposal guidance update; General use instructions

3/3/2020 General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added.

3/16/2021; name change, general format update.