



**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1 Product Identifier**

Trade Name RLC  
Product Form Mixture  
Product Code 20-00063

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of Product Bay Cleaner

**1.3 Details of the Supplier of the safety data sheet**

ChemQuest Inc.  
21365 Hamburg Ave.  
Lakeville, MN 55024  
(877)437-3478  
infocq@chemquestinc.com

**1.4 Emergency telephone number**

Emergency Number ChemTrec 1-800-424-9300

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance**

**Classification**

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H302	Acute toxicity, oral	4
H314	Skin corrosion/irritation	1B
H402	Hazardous to the aquatic environment, acute toxicity	3
H412	Hazardous to the aquatic environment, chronic toxicity	3

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFEETY PRACTICES

**2.2 Label Elements**

**GHS-US Labeling**

Hazard Pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

Hazard Statements (GHS-US):

H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H402: Harmful to aquatic life  
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US):

P260: Do not breathe dust/fumes/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P273: Avoid release into the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P310: Immediately call a POISON CENTER or doctor/physician  
P321: Specific treatment (see section 4)  
P363: Wash contaminated clothing before reuse

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P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P405: Store locked up

P501: Dispose of contents/container in accordance with local, state and federal authorities.

### 2.3 Other Hazards

No additional information available

### 2.4 Unknown acute toxicity (GHS-US)

No Data Available

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

<u>Ingredient Name</u>	<u>CAS #</u>	<u>Composition</u>
Water	7732-18-5	>75%
Urea Monohydrochloride	506-89-8	1-5%
Hydroxyacetic Acid	79-14-1	1-5%
Sulfamic Acid	5329-14-6	1-5%
Citric Acid	77-92-9	1-5%
Hydrogen chloride	7647-01-0	1-5%
Poly(oxy-1,2-ethanediyl), a-uncelcyl-w-hydroxy-	34398-01-1	1-5%

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

First-Aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-Aid after inhalation	IF INHALED. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention.
First-Aid after skin contact	IF ON SKIN. IF ON SKIN (or hair). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Immediately rinse with plenty of water (for at least 15 minutes).
First-Aid after eye contact	IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention.
First-Aid after ingestion	IF SWALLOWED. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Harmful if swallowed. Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	May cause headache, nausea and irritation of respiratory tract.
Symptoms/injuries after skin contact	Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact	Causes severe skin burns and eye damage.
Symptoms/injuries after ingestion	Harmful if swallowed.
Chronic symptoms	No data available.

### 4.3 Indication of immediate medical attention and special treatment needed

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No additional information available

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing media

Suitable Extinguishing Media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray.

#### 5.2 Special hazards arising from the substance or mixture

Fire Hazard The product is not flammable.

Explosion Hazard The product is not explosive.

Reactivity Concentrated solution contact with metals will produce hydrogen gas.

#### 5.3 Special hazards arising from the substance or mixture

Firefighting instructions Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

General measures Ventilate area. Avoid breathing vapors, mist or gas. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

##### 6.1.1 For non-emergency personnel

Protective equipment Wear Protective equipment as described in Section 8.

Emergency procedures Contain the spill. Do not let product enter drains. Remove unnecessary personnel.

##### 6.1.2 For emergency responders

Protective equipment Wear Protective equipment as described in Section 8.

#### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3 Methods and material for containment and cleaning up

For containment Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4 reference to other sections

No additional information available.

### SECTION 7: Handling and Storage

#### 7.1 Precautions for safe handling

Precautions for safe handling Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes or on skin. Do not breathe mist or vapor. Do not swallow. Store between 50 F & 100 F. Keep separate from incompatible materials.

#### 7.2 Conditions for safe storage, including and incompatibilities

Storage conditions Store locked up. Store in approved containers only. Keep container in a cool, well ventilated place away from heat sources and incompatible materials (See Section 10.5). Keep container tightly closed.

#### 7.3 Specific end uses

No additional information

### SECTION 8: Exposure Controls/Personal Protection

#### 8.1 control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless listed stated below:

Hydrogen chloride, CAS # 7647-01-0

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OSHA PEL (TWA)	OSHA PEL (STEL)	OSHA PEL (Ceiling)	ACGIH-TLV
Not Established	5 ppm	Not Established	2 ppm(Ceiling)

### 8.2 Exposure Controls

Personal protective equipment	Protective safety glasses or goggles. Chemically resistant gloves. Protective clothing. Possibly a face shield and or respiratory protection of the dependent type.
Hand protection	Chemical resistant gloves.
Eye protection	Use chemical resistant safety glasses or goggles. A face shield should be worn when the possibility exists for eye or face contact due to spraying liquid or airborne particles.
Skin and body protection	Wear long sleeves. Wear suitable protective clothing. Possibly a face shield.
Respiratory protection	Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Tinted Liquid
Color	Red
Odor	None
Odor threshold	No data available
pH	0.5
Relative Evaporation rate (butyl)	No data Available
Melting point	No data Available
Freezing point	No data Available
Boiling point	No data Available
Flash point	No Data Available
Self ignition point	No data Available
Decomposition temperature	No data Available
Flammability (solid, gas)	No data Available
Vapor pressure	No data Available
Relative vapor density at 20° C	No data Available
Relative Density	1.065 g/ml
Solubility	Water soluble
Log Pow	No data Available
Log Kow	No data Available
Viscosity: Kinematic	No data Available
Viscosity: dynamic	No data Available
Explosive properties	No data Available
Oxidizing properties	No data Available
Explosive Limits	No data Available

### 9.2 Exposure Controls

No additional information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Contact with reactive metals (e.g. aluminum) may result in the generation of hydrogen gas.

### 10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Corrosive in contact with metals. Contact with metallic substances may release flammable hydrogen gas. Contact with strong Bases will cause excessive heat and splattering.

### 10.4 Conditions to avoid

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None known

### 10.5 Incompatible Materials

Avoid contact with: chlorine, hypochlorous acid, hypochlorites, cyanides, sulfides, oxidizers, copper alloys, chlorates, nitrates, alkaline materials, sulphides, metals, alkalis, metal oxides, amines, water reactive substances, sulfuric acid, oleum, acetic anhydride, carbonates, cyanides, sulfides, hypochlorites, bases, formaldehyde, oxidizers, reducers, perchloric acid, potassium permanganate, aldehydes, epoxides, fluorine, acetylides, carbides, chlorosulfonic acid, propylene oxide, vinyl acetate, hexalithium disilicide, propiolactone, nitrates, alcohols, acids, combustible materials, metal oxides, metal salts, and reducers

### 10.6 Hazardous decomposition products

Thermal decomposition can result in: sulfur oxides, ammonia gas, carbon oxides, chlorine, hydrogen chloride, hydrogen gas, nitrogen oxides, and ammonia

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Oral LD50: 1343 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LD50: > 5 mg/l (Dust/mist (Rat)) Calculated

Skin Corrosion/irritation	Causes severe skin burns and eye damage
Serious eye damage/irritation	Causes severe skin burns and eye damage
Respiratory or skin sensitization	Not Classified
Germ cell mutagenicity	Not Classified
Carcinogenicity	Not Classified
Reproductive toxicity	Not Classified
Specific organ toxicity single exposure	Not Classified
Specific organ toxicity repeated exposure	Not Classified
Aspiration hazard	Not Classified
Symptoms/injuries after inhalation	See Section 4
Symptoms/injuries after skin contact	See Section 4
Symptoms/injuries after eye contact	See Section 4
Symptoms/injuries after ingestion	See Section 4
Chronic symptoms	Not Classified

## SECTION 12: Ecological information

### 12.1 Toxicity

No Data

### 12.2 Persistence and degradability

No Data

### 12.3 Bioaccumulative potential

No Data

### 12.4 Mobility in soil

No Data

### 12.5 Other adverse effect

No Data

## SECTION 13: Disposal Considerations

### 13.1 Waste Treatment methods

Waste treatment methods Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without NPDES permit.

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released to the environment.

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### SECTION 14: Transportation information

#### 14.1 UN number, proper shipping name, class and packaging groups.

Domestic Ground Non-Bulk Shipments

UN1760, CORROSIVE LIQUIDS, N.O.S. (GLYCOLIC ACID / HYDROCHLORIC ACID) 8, II

#### 14.2 Additional information

Not available

### SECTION 15: Regulatory Information

#### 15.1 Federal regulations

**TSCA Inventory:** The components of this product are listed.

**SARA 311/312 Hazard category (40 CFR 370.2):** Acute health hazard.

**SARA 313 Toxic Release Reporting (40CFR Part 372):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**SARA 302 EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**SARA 304 EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0% or over 0.1% that are carcinogenic.

**CERCLA Section 102-103 HS Released Reporting (40 CFR part 302-102a):** Hydrogen chloride, CAS# 7647-01-0, RQ 5,000 lbs.

#### 15.2.1 International regulations

No Data

#### 15.2.2 National regulations

No Data

#### 15.3 State Regulations

##### California Prop. 65

Approximate quantities by weight

- Formaldehyde (gas)/ cancer/ CAS# 50-00-0/ Trace

##### New Jersey Right to Know

Approximate quantities by weight

- SULPHAMIC ACID/ CAS# 5329-14-6/ 1-5% by wt.
- HYDROGEN CHLORIDE/ CAS# 7647-01-0/ 1-5% by wt.
- FORMIC ACID/ CAS# 64-18-6/ Trace
- HYDROGEN PEROXIDE/ CAS# 7722-84-1/ Trace
- FORMALDEHYDE/ CAS# 50-00-0/ Trace
- GLYCERIN/ CAS# 56-81-5/ Trace

### SECTION 16: Other Information

Other information	None
NFPA	
NFPA Health Hazard	3
NFPA Fire Hazard	0
NFPA Reactivity	1
HMIS	
Health	3
Flammability	0
Physical	1
Personal Protection	X

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