

Safety Data Sheet

SDS ID: Stock Code QK

Revision date: February 7, 2020

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: "QUIK!" HCL – Rust, Lime, Concrete and Scale Remover

Synonyms: None

Chemical family: N/A

Producer: J.C. Whitlam Manufacturing Company

200 West Walnut Street

P.O. Box 380

Wadsworth, Ohio 44282-0380

www.icwhitlam.com

Telephone: 330-334-2524 Available during normal business hours

Emergency: 800-255-3924 CHEM-TEL

Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May be fatal if swallowed. Causes severe burns. Vapors harmful. May cause blindness.

GHS Label elements, including precautionary statements



POISON



IRRITANT



CORROSIVE



HARMFUL



ENVIRONMENT
HAZARD

Precautionary Statements: Avoid contact with skin and eyes. Keep out of reach of children. Do not allow to be taken internally. Use only in a well ventilated area. Avoid breathing vapors.

Inhalation: Corrosive and irritating to the respiratory tract. Results in coughing, choking and inflammation of the respiratory tract.

Ingestion: Corrosive to mouth and stomach. Do not induce vomiting.

Skin Contact: Will cause severe burns unless washed off immediately. Repeated skin contact may lead to dermatitis.

Eye Contact: Causes severe irritation and painful burns to the eyes and eye lids. Failure to irrigate the eyes immediately with copious amounts of water, could cause visual impairment and/or total loss of vision.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Hydrogen Chloride	7647-01-0	35

Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all SDS's that are copied and distributed for this material.

***Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

Section 4. FIRST AID MEASURES

- Inhalation:** Remove victim to fresh air. If breathing is difficult, oxygen may be beneficial, if administered by a person trained in its use, preferably on a physician's advice. Ensure victim is completely at rest. Do not allow any physical exertion. Symptoms may be delayed up to 48 hours after exposure. Get immediate medical attention.
- Skin contact:** Immediately flush with lukewarm, gently flowing water for at least 20-30 minutes. Under running water, remove contaminated clothing and shoes. Get immediate medical attention. Completely decontaminate clothing and shoes before re-use.
- Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Give large quantities of water. If milk is available, it may be given after the water has been given. If vomiting occurs spontaneously, keep airway clear and give more water. Get immediate medical attention.
- Eye contact:** Flush immediately with lukewarm water for at least 20-30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye/lid tissue. If irritation persists, repeat flushing. Get immediate medical attention.

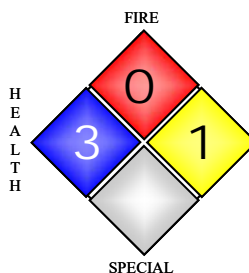
Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water fog, foam, dry chemical, carbon dioxide.
Unsuitable: Hydrogen chloride gas, hydrogen

Specific hazards: Contact with common metals may produce flammable and potentially explosive hydrogen gas.

Special protective equipment for firefighters: Firefighters and others who might be exposed to products of combustion should wear (NIOSH approved) positive pressure self-contained breathing apparatus and full protective clothing. Neutralize with soda ash and slaked lime.

	NFPA rating:	HMIS rating:
Health:	3	3
Flammability:	0	0
Instability/reactivity:	1	1
Other:	N/A	H (PPE)



REACTIVITY	Serious Hazard
REACTIVITY	Will not burn
REACTIVITY	Unstable if heated
REACTIVITY	N/A

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid runoff into storm sewers, ditches and waterways.
Large Spill:	Wear self-contained breathing apparatus and full protective clothing including shoes. Build a dike around the spill. Neutralize with soda ash and slaked lime. Clean and dispose in accordance with Federal, State and Local regulations.
Methods for Containment and Clean up	Evacuate area, keep upwind until gas has dispersed. If necessary to enter spill area, wear approved full face respirators with acid cartridges. Wear acid resistant clothing.

Section 7. HANDLING AND STORAGE

Handling:	Do not get in eyes, on skin or on clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not mix with cyanides, sulfides or formaldehyde.
Storage:	Store in original containers and away from heat. Keep containers closed when not in use. Store in a cool place. Keep away from heat, sparks and flames.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989 ^c
Hydrogen Chloride	7647-01-0	5 ppm	n/a	5 ppm

PERSONAL PROTECTIVE EQUIPMENT

Engineering Measures: Not available.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Full face respirator with HCL fumes cartridges for response to small spills. Self-contained breathing apparatus.

Skin and body protection: Rubber/plastic gloves. Appropriate clothing.

Eye protection: Chemical safety goggles or safety glasses or face shield.

Hygiene measures: No data available.

Other Precautions: Local ventilation is adequate.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Light yellow
Odor:	Pungent/acid odor
Molecular weight:	Not Available
pH:	Not Available
Boiling point/range (5-95%):	181°F (83°C) / -51°F (-46°C)
Melting point/range:	Not Available
Decomposition temperature:	Not Available
Specific gravity:	1.16
Vapor density:	1.27
Vapor pressure:	35
Evaporation rate (Butyl acetate= 1):	> 1.0
Flash point, method used:	Not available
Water solubility:	Complete
VOC Content:	0 grams/liter
Auto-ignition temperature:	Not Available
Flammable limits in air — lower (%):	Not Available
Flammable limits in air — upper (%):	Not Available

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Possibly hazardous reactions:	No data available.
Conditions to avoid:	Open flames, sparks and ignition sources. Very corrosive to most metals. Avoid heating to decomposition.
Incompatible Materials:	Strong oxidizers such as liquid chlorine, sodium or calcium hypo-chloride, pure oxygen, reducing agents, metals, bases, aldehydes, epoxides, explosives, acetylides, borides, carbides, silicides, cyanides, sulfides and phosphides.
Hazardous decomposition products:	Carbon monoxide, oxides or sulfur and other decomposition products may form from incomplete combustion. Heat can cause evolution of gaseous hydrogen chloride.
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Excessive exposure leads to depression of the central nervous system. Causes eye irritation, moderate skin irritation.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Hydrogen Chloride	7647-01-0	LC ₅₀ : 5,666 ppm @ 30 minutes	N/A	LD ₅₀ (Rabbit): 900mg/Kg

LC₅₀ — The concentration of the chemical in air that kills 50% of the test animals in a given time (usually four hours).

Chronic Toxicity: Prolonged exposure to low level concentration of hydrochloric acid vapor may cause discoloration and erosion of teeth, bleeding of nose and gums and ulcers of the nasal mucosa. It may aggravate asthma, bronchitis, emphysema, bronchial hyperactivity, skin allergies and eczema.

Sensitization: No

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: This material is expected to be toxic to aquatic life.

Persistence: None

Degradability: None

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: Disposal of this material must be done in accordance with federal, state and/or local regulations.

Section 14. TRANSPORT INFORMATION

Shipping Name: Hydrochloric acid, solution

Hazardous Class: 8

ID Number: UN1789

Packing Group: II

Label Required: Corrosive

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (less than 1 L) then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception". This is classified as Consumer Commodity ORM-D.

Section 15. REGULATORY INFORMATION

None

Section 16. OTHER INFORMATION

Standards and Certification Listings:

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