

MSDS Document

Product Flush Free

1. Chemical Product and Company Identification

Trade Name of this Product Flush Free

MSDS ID QL6880

Manufacturer

Jl Holcomb
600 Corporate Woods Parkway
Vernon Hills, IL 60061

Contact Name

Corporate Compliance Team

Phone Number

(847) 955-1501

Emergency Phone

(888) 426-4851

Revision Date 09/10/2003

Health:	3
Fire:	0
Reactivity:	0
Specific	<input type="checkbox"/>

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
HYDROCHLORIC ACID	7647-01-0	20 %	5	5	ND

3. Hazard Identification

Route(s) of Entry

Inhalation. Ingestion. Eyes. Skin.

Skin

Contact causes skin irritation. Corrosive, causes skin burning.

Eyes

Corrosive. Direct contact may cause the following effects: Eye damage.

Ingestion

Corrosive. Can burn mouth, throat, and stomach. Swallowing substance will cause the following effects: Severe irritation.

Inhalation

Direct contact may cause the following effects: Chemical burns. Respiratory irritation. Inflammation.

4. First Aid Information

Skin

Remove contaminated clothing. Flush area with water for 15 minutes. Get medical attention if burns persist.

Eye

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation

Remove to fresh air. Provide oxygen or artificial respiration if necessary. Get medical attention immediately.

Ingestion

Give large amounts of milk or water. Seek medical attention if irritation persists. Do not induce vomiting.

5. Fire Fighting Measures

Flash Point None
FP Method N/A

Extinguishing Media

Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

Special Fire Fighting Procedures

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Hazardous Decomposition Products

The following chemicals will result from incomplete combustion: Strong alkalis.

Produits de décomposition dangereux

Métaux actifs (ex. : zinc, magnésium, étain, aluminium et leurs alliages).

Hazardous Decomposition Products

Materials not resistant to strong acids.

6. Accidental Release Measures

Small Spill

Flush into normal drainage or into ground with copious amounts of water (if local regulations permit). Soak up excess with absorbent material.

Large Spill

Contain spill by diking or other methods. Hold for disposal or reuse. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information.

Clean-up

Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime.

7. Handling and Storage

Handling

Avoid breathing vapors from heated material. Only use containers and equipment designed for use with acids. Have water hose and alkali (caustic soda, lime) convenient in case of spill or leakage.

Storage

Check daily for any leaks from containers, vessels, pumps, and piping. Store in a well ventilated area.

8. Exposure Controls and Personal Protection

Eye Protection

ANSI approved safety goggles are recommended if exposure is likely.

Respiratory Protection

Wear a NIOSH approved vapor/mist respirator.

Engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Other Protective Clothing

Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.1
Color/Appearance	Blue
Odor	Acid
pH	<1
Boiling/Cond. Point	200°F
Melting/Freezing Point	N/A
Solubility	Complete in water
Evaporation Rate	ND
VOC %	0.0
Percent Volatile	N/A
Viscosity	A-5 (Gardner) @ 25°C
Vapor Density	ND
Vapor Pressure	40

10. Stability and Reactivity

Stability

Stable.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Hydrogen chloride.

Conditions to Avoid

Contact with active metals can release flammable hydrogen gas.

11. Toxicological Information

Carcinogenicity

OSHA- No. NTP- No. IARC- No. ACGIH - No.

12. Ecological Information

Ecological Information

No information available.

13. Disposal Considerations

Waste Disposal Method

As supplied, this product is a RCRA hazardous waste. Large quantities should be neutralized with soda ash. Triple rinse and dispose of in a sanitary landfill or by other procedures approved by state or local authorities. If allowed by local regulations, may be diluted and drained to a municipal sewer or wastewater treatment facility.

14. Transportation Information

Proper Shipping Name

Hydrochloric Acid, Solution

DOT Class

8 (Corrosive)

DOT Packing Group

II

ID Number

UN1760

15. Regulatory Information

TSCA Certification

All chemicals in this product are listed, or are exempt from listing on the TSCA inventory.

CPR Certification

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

S.A.R.A. Title III, Section 313

This product contains the following chemicals subject to reporting:

Hydrochloric Acid (7674-01-0)

16. Other Information

Disclaimer

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.