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MSDS Document

PG LC

Product MURIATIC ACID 20°

1. Chemical Product and Company Identification

Trade Name of this Product MURIATIC ACID 20°

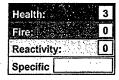
MSDS ID MSDS2510

Manufacturer

Haviland Consumer Products, Inc. 421 Ann Street N.W.

Grand Rapids, MI 49504

Phone Number (616) 361-6691 Entergency Phone CHEMTREC (800) 424-9300 CHEMTREC International (703) 527-3887 Revision Date 5/15/2006



2. Composition and Information on Ingredients

Ingredient

CAS Number Weight %

ACGIH TLV

A(M, x, y, x) = 1

PEL

STEL

Hydrochloric acid

7647-01-0

5 ppm ceiling 5 ppm ceiling

Medical Control

3. Hazard Identification

Emergency Overview

Corrosive acid mixture. May be fatal if swallowed or inhaled. Causes severe burns to eyes, skin and respiratory tract.

Health Effects

Corrosive to all body tissues with which it comes in contact. Inhalation of spray or mist may result in various degrees of irritation or damage to the respiratory tract tissues.

Carcinogenicity

None of the components present in this material are listed by IARC or NTP as a carcinogen.

Reproductive Effects

None known

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Routes of Entry

Inhalation, Ingestion, Skin or Eye Contact

4. First Aid Information

Eye Contact

Flush immediately with plenty of water for at least 15 minutes, get medical attention.

Skin Contact

Flush with water for at least 15 minutes while removing contaminated clothing. If irritation persists, get medical attention.

Inhalation

Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion

Call a physician immediately. Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point

N/A

Extinguishing Media

Use media suitable for the surrounding fires.

Special Fire Fighting Procedures

Fire fighters should wear full protective clothing including self-contained breathing apparatus.

Unusual Fire Hazard

Reacts with most metals, especially when dilute: Hydrogen gas release (Extremely flammable, explosive).

6. Accidental Release Measures

Spill and Leak Procedures

Spills should be handled immediately by neutralization and dilution of the spilled product by the use of sodium bicarbonate, soda ash, or lime with large amounts of water.

7. Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing vapors or mists. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Storage Procedures

Store away from heat and out of direct sunlight. Store in a well ventilated, dry area away

from incompatible materials.

8. Exposure Controls and Personal Protection

Engineering Controls

Provide ventilation sufficient to maintain exposure below the recommended limits.

Eye Protection

Chemical safety goggles

Protective Gloves

Rubber or other impervious materials.

Respiratory Protection

When respirators are required, select NIOSH/MSHA approved air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against acid gases.

Other Protective Equipment

For operations where spills or splashing may occur, use an impervious body covering and boots. A safety shower and eye bath should be available.

9. Physical and Chemical Properties

Physical State

Liquid **Specific Gravity** 1.16

Color/Appearance

Clear, colorless to slightly yellow liquid

Odor

Pungent odor Not Established

рΗ Boiling/Cond. Point

183°F

Melting/Freezing Point

-49°F

Solubility

Complete

Vapor Density

Vapor Pressure

20 mm Hg @ 20°C

10. Stability and Reactivity

Conditions to Avoid

Excessive heat.

Chemical Stability

Stable

Incompatible Materials

Incompatible with most metals, hydroxides, amines, alkalis, cyanides, sulfides, strong oxidizers, carbonates, hypochlorites and formaldehyde.

Hazardous Decomposition Products

Hydrogen gas, chlorine gas, hydrogen chloride gas.

Hazardous Polymerization

Will not occur.

11. Toxicological Information

No information available.

12. Ecological Information

No information available.

13. Disposal Considerations

Waste Disposal

Neutralized waste must be disposed of in accordance with applicable federal, state, and local regulations.

14. Transportation Information

DOT Shipping Name

Hydrochloric acid, solution

Hazard Class

8, Corrosive

UN Number

UN1789

Packing Group

PG II

15. Regulatory Information

Reportable Quantity

5000 lb.

EHS

Hazardous Component(s) Contain Extremely Hazardous Substance.

TSCA

Hazardous Component(s) subject to reporting on the TSCA List.

WHMIS

Hazardous Component(s) subject to WHMIS Ingredient Disclosure.

16. Other Information

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This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

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