

MATERIAL SAFETY DATA SHEET

Hydrochloric Acid 0.05 Normal in IPA

SECTION 1 . Product and Company Identification

Product Name and Synonym: Hydrochloric Acid 0.05 Normal in IPA

Product Code: 4117

Material Uses:

Manufacturer: Science Stuff
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 6/5/2013

Print Date: 6/5/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300

Canutec 613-996-6666

| | |
|---------------|---|
| Health: | 2 |
| Flammability: | 3 |
| Reactivity: | 0 |

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

| SARA 313 | Component | CAS Number | Percent Comp. | Dimension | Exposure Limits |
|-------------------------------------|--------------------------------|----------------|---------------|-----------|---------------------------------------|
| <input checked="" type="checkbox"/> | Hydrochloric Acid | CAS# 7647-01-0 | 0.5% | V/V | OSHA PEL (C) 5 ppm, (C) 7 mg/mf |
| <input checked="" type="checkbox"/> | Isopropyl Alcohol (2-propanol) | CAS# 67-63-0 | Balance | V/V | OSHA TWA 400 ppm, STEL 500 ppm |

SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, dry chemical, carbon dioxide, alcohol foam

Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.

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Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Eliminate Ignition Sources. Neutralize with: Soda lime, soda ash. Absorb with vermiculite or other inert material. Place in container.

SECTION 7 HANDLING AND STORAGE

Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Organic Vapor Cartridge

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|---------------------------------------|-----------------------------|---------------------------|
| Melting Point: | Information not available | Percent Volatile by Volume: | >99 |
| Boiling Point: | Information not available | Evaporation Rate | Information not available |
| Vapor Pressure: | Information not available | Evaporation Standard | |
| Vapor Density: | Information not available | Auto Ignition Temp | Information not available |
| Solubility in Water: | Soluble | Lower Flamm. Limit in Air | Information not available |
| Appearance /Odors: | Clear, colorless liquid with IPA odor | Upper Flamm. Limit in Air | Information not available |
| Flash Point: | ~12 Deg C | | |
| Specific Gravity: | ~0.8 | | |

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid heat, sparks, flames, or other sources of ignition.

Materials to Avoid: Strong oxidizing agents, metals, bases, amines.

Hazardous Decomposition Products: Oxides of carbon

Hazardous polymerization: Will Not Occur

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Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Flammable Liquid n.o.s. (Isopropanol), 3, UN1993, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Acute: Irritation to skin, eyes, lungs, mucous membranes and GI tract. Nausea, narcosis, drowsiness, dizziness. Chronic: Dermatitis and eye damage.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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