

MATERIAL SAFETY DATA SHEET

Acetic Acid, Glacial 99.5%

SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetic Acid, Glacial 99.5%

Product Code: A1104

Material Uses:

Manufacturer: Science Stuff
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 5/23/2013

Print Date: 5/23/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

| | |
|---------------|---|
| Health: | 3 |
| Flammability: | 2 |
| Reactivity: | 1 |

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

SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. 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 type="checkbox"/> | Acetic Acid, Glacial 99.5% | CAS# 64-19-7 | 100% | V/V | 10 ppm OSHA TWA, 15 ppm OSHA STEL |

SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

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

Fire Fighting Procedure: Use water spray to cool fire exposed containers.

Acetic Acid, Glacial 99.5%

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: NIOSH Approved Gloves
Eye Protection: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|---|-----------------------------|-------|
| Melting Point: | 17° C | Percent Volatile by Volume: | 100% |
| Boiling Point: | 118° C | Evaporation Rate | 0.97 |
| Vapor Pressure: | 11 mm Hg @ 70° C | Evaporation Standard | |
| Vapor Density: | 2 | Auto Ignition Temp | N/A |
| Solubility in Water: | Soluble | Lower Flamm. Limit in Air | 4.0% |
| Appearance /Odors: | Clear liquid / sharp vinegar odor | Upper Flamm. Limit in Air | 19.9% |
| Flash Point: | 41° C | | |
| Specific Gravity: | 1.0514 | | |

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Avoid contact with heat, sparks, flames, and incompatible materials
Materials to Avoid:
Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

Acetic Acid, Glacial 99.5%

SECTION 14 Transport Information

DOT Classification: Acetic Acid, 8, (3), UN2789, 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

Conditions aggravated/target organs: Corrosive! Persons with pre-existing skin, eye and respiratory conditions will be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract, GI tract. Chronic: Dermatitis, eye damage, lung damage.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.