

MATERIAL SAFETY DATA SHEET

Acetic Acid, Glacial

SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetic Acid, Glacial

Product Code: A1100

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:	0

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. May be 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.

Acetic Acid
CAS#: 64-19-7
OSHA PEL: 10ppm TWA
ACIGH TVL: 10ppm TWA
Other Limits Recommended: 15 ppm
*SYNONYMS: Ethanoic Acid; Ethanylic Acid; Methanecarboxylic Acid; Vinegar Acid.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Acetic Acid, Glacial	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. May be 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: SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. CALL A PHYSICIAN. 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.

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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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Routes of Entry: Inhalation. Skin. Ingestion.

Health Hazard: Cause chemical burns. Irritating to the skin, eyes, mucous membranes and upper respiratory tract. May be harmful if swallowed. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Ingestion or inhalation may cause damage to respiratory and digestive tracts.

Carcinogenicity: NTP – Not Listed; IARC Monographs – Not Listed; OSHA REGULATED/ - Not Listed

Sighs and Symptoms of Exposure: Burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, erythema, blisters, tissue destruction, bloody diarrhea, edema, convulsions, bronchitis, pneumonia, cardiovascular collapse, shock and death.

Medical Conditions Aggravated by Exposure: Asthma, emphysema, other respiratory diseases.

Emergency and First Aid Procedures:

EYES/SKIN: Flush immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. Remove contact lenses if possible. Call physician/poison control center immediately. Wash clothing before reuse.

INGESTION: DO NOT induce vomiting. Give cupful of water to conscious victim.

INHALATION: Move to fresh air. Give oxygen if breathing is difficult, artificial respiration if not breathing.

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

Respiratory Protection: NIOSH/MSHA- approved respirator with organic vapor cartridge.

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Local Exhaust: Yes
Special: Safety shower nearby.
Mechanical: Recommended
Other: Eye wash station nearby
Protective Gloves: Chemical resistant rubber gloves
Eye Protection: Chemical Safety Goggles
Other protective Clothing or Equipment: Boots; protective clothing; full-face respirator, if needed.
Work/Hygienic Practices: Do NOT wear contact lenses. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation . avoid prolonged or repeated exposure. CORROSIVE! Flammable!

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Table with 4 columns: Property, Value 1, Value 2, Value 3. Rows include Melting Point, Boiling Point, Vapor Pressure, Vapor Density, Solubility in Water, Appearance /Odors, Flash Point, and Specific Gravity.

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Table with 2 columns: Property, Value. Rows include Stability, Conditions to Avoid, Materials to Avoid, Hazardous Decomposition Products, Hazardous polymerization, and Conditions to Avoid.

SECTION 11 Toxicological Information

Oral rat LD50: 3310 mg/kg; skin rabbit LD50: 1.06 g/kg; inhalation mouse LC50: 5620ppm/1-hr; investigated as a mutagen, reproductive effector.

-----\Cancer Lists\-----

---NTP Carcinogen---

Table with 4 columns: Ingredient, Known, Anticipated, IARC Category. Row for Acetic Acid (64-19-7) with values No, No, None.

SECTION 12 Ecological Information

Environmental Fate:
When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into water, this material is expected to readily biodegrade. When released into the water, this material is expected to

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have a half-life between 1 and 10 days. Standard dilution BOD5/TOD = 58% When released into the soil, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. This material has an estimated bioconcentration factor (BCF) of less than 100.

Environmental Toxicity:

This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

For glacial acetic acid:

EC50 (wheat fumigation) = 23.3 mg/m3/2-hr, effect: leaf injury

LC50 (shrimp) = 100 - 300 mg/l/48-hr

LC50 (fathead minnow) = 88 mg/l/96-hr

This material may be toxic to aquatic life.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: ACETIC ACID, GLACIAL
Hazard Class: 8, 3
UN/NA: UN2789
Packing Group: II
Information reported for product/size: 450LB

International (Water, I.M.O.)

Proper Shipping Name: ACETIC ACID, GLACIAL
Hazard Class: 8, 3
UN/NA: UN2789
Packing Group: II
Information reported for product/size: 450LB

International (Air, I.C.A.O.)

Proper Shipping Name: ACETIC ACID, GLACIAL
Hazard Class: 8, 3
UN/NA: UN2789
Packing Group: II
Information reported for product/size: 450LB

DOT Classification: Acetic acid, glacial, 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

Table with 5 columns: Ingredient, TSCA, EC, Japan, Australia. Row: Acetic Acid (64-19-7) with Yes/Yes/Yes/Yes.

Table with 5 columns: Ingredient, --Canada--, Korea, DSL, NDSL, Phil. Row: Acetic Acid (64-19-7) with Yes/Yes/No/Yes.

Table with 5 columns: Ingredient, -SARA 302-, -SARA 313-, RQ, TPQ, List, Chemical Catg. Row: Acetic Acid (64-19-7) with No/No/No/No.

Table with 4 columns: Ingredient, -RCRA-, -TSCA-, CERCLA, 261.33, 8(d). Row: Acetic Acid (64-19-7) with No/No/No/No.

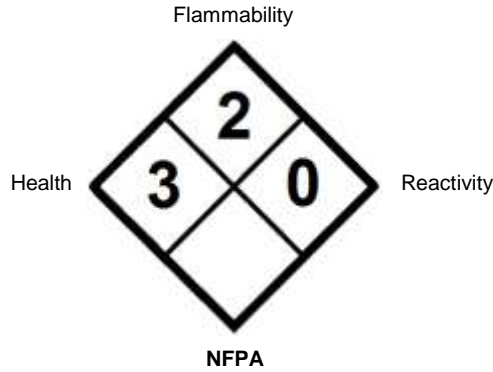
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Acetic Acid (64-19-7) 5000 No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No
Reactivity: Yes (Pure / Liquid)

Australian Hazchem Code: 2P
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16 Additional Information



Revisions

3/22/2012	0	Creation date LS
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