

# MATERIAL SAFETY DATA SHEET

Acetic Acid, 36% v/v Aqueous Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetic Acid, 36% v/v Aqueous Solution

Product Code: A1150

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:	0
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. 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	CAS# 64-19-7	36%	V/V	10 ppm OSHA TWA, 15 ppm OSHA STEL
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## 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: Use a water spray, dry chemical, "alcohol" foam, all purpose foam or carbon dioxide to extinguish fire.

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Fire / Explosion Hazards: Toxic substances may be emitted  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

No smoking or flames in area! Take up with sand or other noncombustible material, then flush area with water.

**SECTION 7 HANDLING AND STORAGE**

Store in a tightly closed container away from heat, flame and other sources of ignition. Wash thoroughly after handling. Store in a cool dry place

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
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:	not available	Percent Volatile by Volume:	100%
Boiling Point:	not available	Evaporation Rate	information not available
Vapor Pressure:	not available	Evaporation Standard	
Vapor Density:	not available	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	not available
Appearance /Odors:	Clear colorless liquid with pungent vinegar smell	Upper Flamm. Limit in Air	not available
Flash Point:	not available		
Specific Gravity:	1.0		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: High temperatures, ignition sources, incompatibilities.  
Materials to Avoid: Basic Conditions  
Hazardous Decomposition Products: Carbon oxides  
Hazardous polymerization: not known to 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: Acetic Acid Solution, 8, UN2790, 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: Persons with pre-existing skin, eye or respiratory or mucous membrane disorders are more susceptible. Corrosive! Acute: Severe irritation and burns to skin, eyes, lungs, mucous membranes and GI tract. Skin ulcers, blindness, difficult breathing. Chronic: Dermatitis, eye damage, lung damage, skin darkening.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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