

# MATERIAL SAFETY DATA SHEET

Acetic Acid 2% v/v Aqueous Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetic Acid 2% v/v Aqueous Solution

Product Code: 0039

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:	2
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. 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.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Acetic Acid, Glacial	CAS# 64-19-7	2%	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. 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: Wash exposed area with soap and water. If irritation persists, 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: 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

Acetic Acid 2% v/v Aqueous Solution

Fire / Explosion Hazards: None  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**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: None required  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	~0° C	Percent Volatile by Volume:	> 99%
Boiling Point:	~100° C	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear colorless/vinegar odor	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Information not available		
Specific Gravity:	~ 1		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: None known  
Materials to Avoid: Bases  
Hazardous Decomposition Products: Carbon Oxides  
Hazardous polymerization: Will Not Occur

Acetic Acid 2% v/v Aqueous Solution

Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: Not Regulated

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 preexisting skin, eye, or respiratory disorders may be more susceptible. Corrosive. Acute: Irritation to skin, eyes, lungs, mucous membranes, and GI tract. Chronic: Dermatitis.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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