

# MATERIAL SAFETY DATA SHEET

Acetone

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Acetone  
Product Code: A1500  
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:	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 type="checkbox"/>	Acetone	CAS# 67-64-1	100%	V/V	OSHA TWA 1000 ppm (2400 mg/mf)

## 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: Carbon Dioxide, dry chemical powder or appropriate foam  
Fire / Explosion Hazards: Vapors can form explosive mixtures at temperatures at or above the flashpoint. Vapor may travel to source of ignition and flash back.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Eliminate Ignition Sources. Absorb with inert material. Place in container. Vent area and wash site.

**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: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Goggles and Face Shield  
Other Protective Equipment: Use safe laboratory handling procedures.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-94° C	Percent Volatile by Volume:	100%
Boiling Point:	56° C	Evaporation Rate	> 1
Vapor Pressure:	184 mm Hg @ 20° C	Evaporation Standard	
Vapor Density:	2.0 (air = 1)	Auto Ignition Temp	N/A
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	2%
Appearance /Odors:	Clear liquid / mild odor	Upper Flamm. Limit in Air	13%
Flash Point:	-17° C		
Specific Gravity:	0.786		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Moisture  
Materials to Avoid: Nitric Acid, Acetic Acid, Sulfuric Acid.  
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**

**SECTION 14 Transport Information**

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DOT Classification: Acetone, 3, UN1090, 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**

Flammable! Conditions aggravated: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Exposure to acetone may enhance the liver toxicity of chlorinated solvents. Acute: Causes severe eye irritation. Causes irritation to skin, mucous membranes and respiratory tract. Chronic: Dermatitis, eye damage. Target organs: Liver, kidneys.

Flammability

Health

Reactivity

**Revisions**

**NFPA**

0.1

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