

# MATERIAL SAFETY DATA SHEET

Alcoholic Sulfuric Acid

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Alcoholic Sulfuric Acid  
Product Code: 0170  
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:	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

Flash point 55 deg F. Warning! flammable liquid. Harmful if inhaled. May cause respiratory and digestive tract irritation. May cause severe eye irritation and possible injury. Ingestion may cause blindness. Cannot be made non-poisonous. See a

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Methanol (Methyl Alcohol)	CAS# 67-56-1	98%	V/V	OSHA TWA 200 ppm, ACGIH STEL 250 ppm
<input checked="" type="checkbox"/>	Sulfuric Acid	CAS# 7664-93-9	2%	V/V	OSHA TWA 1 mg/mf, ACGIH STEL 3 ppm

## SECTION 4 FIRST AID MEASURES

Flash point 55 deg F. Warning! flammable liquid. Harmful if inhaled. May cause respiratory and digestive tract irritation. May cause severe eye irritation and possible injury. Ingestion may cause blindness. Cannot be made non-poisonous. See a

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: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or

Alcoholic Sulfuric Acid

appropriate foam  
Fire / Explosion Hazards: Vapor may travel considerable distance 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.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Eliminate Ignition Sources. Absorb with vermiculite or other inert material. Place in container. If fire hazard exists, blanket spill with alcohol foam or use water spray to disperse vapors.

**SECTION 7 HANDLING AND STORAGE**

Use in a well ventilated area. Keep container closed when not in use. Do not get on skin in eyes or on clothing. Do not expose to temperatures above 140 deg F.

**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: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure. Use in a well ventilated area.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-144 F	Percent Volatile by Volume:	100%
Boiling Point:	148.3 F	Evaporation Rate	2.0
Vapor Pressure:	96.0 Hg	Evaporation Standard	
Vapor Density:	1.11	Auto Ignition Temp	information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	5.5% in air by Vol.
Appearance /Odors:	Colorless with alcohol smell	Upper Flamm. Limit in Air	36.5% in air by Vol.
Flash Point:	54 Deg F (Open cup)		
Specific Gravity:	0.792		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Section 11

Alcoholic Sulfuric Acid

Materials to Avoid: Section 11  
Hazardous Decomposition Products: oxides of carbon  
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**

DOT Classification: Corrosive Liquid, Flammable, n.o.s. (Sulfuric Acid, Methanol), 8, (3), UN2920, 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 to avoid/Incompatibilities: Avoid heat sparks, and open flames. Incompatible with Acids and Oxidizers. **INGESTION:** may be poisonous or fatal or cause blindness if swallowed. Exposure may adversely affect people with chronic disease of the central nervous system, skin, gastrointestinal tract or eyes. **Corrosive!** Acute: Severe irritation and burns to skin, eyes, lungs, and GI tract. Chronic: Dermatitis, eye damage. Strong inorganic acid mists of sulfuric acid can cause cancer of the larynx.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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