

MATERIAL SAFETY DATA SHEET

Isobutyl Alcohol (2-Methyl-1-propanol)

SECTION 1 . Product and Company Identification

Product Name and Synonym: Isobutyl Alcohol (2-Methyl-1-propanol)

Product Code: I7550

Material Uses:

Manufacturer:

Science Stuff
1104 Newport Ave

Austin, TX 78753
(512) 837-6020

Entry Date : 6/7/2013

Print Date: 6/7/2013

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

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"/>	Isobutyl Alcohol (2-Methyl-1-propanol)	CAS# 78-83-1	100%	V/V	OSHA std-air TWA 100 ppm

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: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

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: Heat will build pressure and may rupture closed storage containers

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

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

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-162.4° F	Percent Volatile by Volume:	100
Boiling Point:	225.86° F	Evaporation Rate	0.8
Vapor Pressure:	8.8	Evaporation Standard	Butylacetate =1
Vapor Density:	2.55	Auto Ignition Temp	813.2° F
Solubility in Water:	8.5%	Lower Flamm. Limit in Air	1.6
Appearance /Odors:	colorless liquid, mild alcohol odor	Upper Flamm. Limit in Air	10.9
Flash Point:	81.86° F		
Specific Gravity:	0.802		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.
Materials to Avoid: Oxidizing materials
Hazardous Decomposition Products: Carbon monoxide and other toxic vapors
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: Isobutyl Alcohol, 3, UN1212, PG III

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

Inhalation may cause irritation to the respiratory tract and may cause anemia and liver damage. Causes irritation to eyes, skin, gastrointestinal tract and mucous membranes. Conditions aggravated/target organs: Persons with pre-existing eye, skin and respiratory conditions may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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