

# MATERIAL SAFETY DATA SHEET

Alcohol, Reagent Denatured Ethyl Alcohol

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Alcohol, Reagent Denatured Ethyl Alcohol

Product Code: 280-32

Material Uses:

Manufacturer: OFI Testing Equipment Inc.  
11302 Steeplecrest Dr.  
Houston, TX 77065  
(877) 837-8683

Entry Date : 5/12/2010

Print Date: 10/20/2011

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"/>	Ethyl Alcohol (Ethanol, Absolute)	CAS# 64-17-5	90%	V/V	OSHA TWA 1000 ppm (1900 mg/m <sup>3</sup> )
<input checked="" type="checkbox"/>	Isopropyl Alcohol (2-propanol)	CAS# 67-63-0	5%	V/V	OSHA TWA 400 ppm, STEL 500 ppm
<input checked="" type="checkbox"/>	Methanol (Methyl Alcohol)	CAS# 67-56-1	5%	V/V	OSHA TWA 200 ppm, ACGIH STEL 250 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: 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: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

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**SECTION 5 FIRE FIGHTING MEASURES**

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.

Fire / Explosion Hazards: Above flashpoint, vapor-air mixtures are explosive within flammable limits. Vapors may flow along surfaces to distant ignition source 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**

Dispose of in a manner consistent with federal, state and local regulations.

**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: Organic cartridge or self-contained

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Use safe laboratory handling procedures.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-114°C (-173.3° F)	Percent Volatile by Volume:	>99
Boiling Point:	78°C (173.3° F)	Evaporation Rate	N/E
Vapor Pressure:	50 mm Hg @ 25° C	Evaporation Standard	
Vapor Density:	1.6	Auto Ignition Temp	422°C
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	3.3%
Appearance /Odors:	Clear, colorless liquid w/ ethyl alcohol odor	Upper Flamm. Limit in Air	19%
Flash Point:	13°C		
Specific Gravity:	0.784 @25° C		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable

Conditions to Avoid: Avoid heat and ignition sources

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Materials to Avoid: Oxidizers, silver salts, halogen halides, alkali metals, metal hydrides  
Hazardous Decomposition Products: Carbon oxides

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

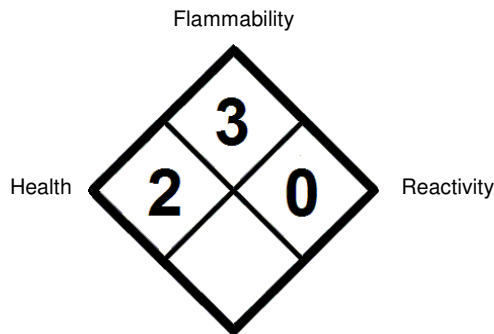
DOT Classification: Alcohols, n.o.s. (Ethanol, Methanol, Isopropanol), 3, UN1987, PG II

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 preexisting skin, eye, respiratory, or kidney/liver disorders may be more susceptible. Toxic due to denaturants. Acute: irritation to skin, eyes, lungs, mucous membranes, and GI tract. Nausea, headache, narcosis, dizziness, and vision difficulties. Chronic: liver/kidney damage, blindness, pancreatitis, and nerve disorders.



Revisions NFPA 0.1

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