

MATERIAL SAFETY DATA SHEET

Tetrahydrofuran

SECTION 1 . Product and Company Identification

Product Name and Synonym: Tetrahydrofuran
Product Code: T5111
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 7/1/2013
Print Date: 7/1/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	3
Reactivity:	1

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"/>	Tetrahydrofuran	CAS# 109-99-9	100%	V/V	OSHA TWA 200 ppm (590 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: 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: Water spray, dry chemical, carbon dioxide, alcohol foam
Fire / Explosion Hazards: Vapors may form explosive mixture with air.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Tetrahydrofuran

SECTION 6 ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Wear protective equipment. Clean up in a manner that doesn't disperse dust.

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: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Solvent resistant gloves as neoprene or nitrile
Eye Protection: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-108°C	Percent Volatile by Volume:	>99
Boiling Point:	66°C	Evaporation Rate	14.5
Vapor Pressure:	114 mm Hg	Evaporation Standard	Butylacetate =1
Vapor Density:	2.5	Auto Ignition Temp	610°F
Solubility in Water:	Miscible	Lower Flamm. Limit in Air	1.8
Appearance /Odors:	Colorless liquid, ether-like odor	Upper Flamm. Limit in Air	11.8
Flash Point:	-14°C		
Specific Gravity:	0.88		

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, bases
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

Tetrahydrofuran

SECTION 14 **Transport Information**

DOT Classification: UN2056, Tetrahydrofuran, 3, 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**

Effects of overexposure, Acute: Irritating to eyes and skin. May cause redness and pain. Inhalation may cause irritation of the nose and throat, dizziness and headache. Irritating to mucous membranes. Ingestion may cause sore throat and abdominal pain. Chronic: No information found. Conditions aggravated: persons with pre-existing eye, skin and respiratory conditions may be more susceptible. Target organs: Liver and kidneys

Flammability

Health

Reactivity

Revisions

NFPA

0.2

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