

Material Safety Data Sheet

Ethyl THFA Ether

Quick Identifier

QO[®] Ethyl THFA Ether

Common Name (used on label and list):

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements

Section I

Manufacturer's Name and Address
Penn Specialty Chemicals, Inc.
3324 Chelsea Avenue
Memphis, TN 38108

Emergency Telephone Number

901-320-4092

For Emergency Medical Information

Hazard Information Services: 800-228-5635

For Product Information and Other Calls:

Penn Specialty Chemicals, Inc.: 877-895-7366

Effective: July 15, 2003.

Supersedes: October 28, 1999

Section II - Hazardous Ingredients/Identity Information

Hazardous Component(s) Chemical & Common Name(s)	OSHA PEL	ACGIH TLV	CAS NO.	%
Ethyl Tetrahydrofurfuryl ether	Not established	Not established	62435-71-6	
Tetrahydrofurfuryl ethyl ether				
Tetrahydro-2(ethoxymethyl) furan				
2-(Ethoxymethyl) tetrahydrofuran				

Section III - Physical/Chemical Characteristics

Boiling Point 313°F, 156°C	Vapor Density (Air=1) 4.5	Specific Gravity (H₂O = 1) 0.94	Vapor Pressure (mm Hg) 80 @ 209°F, 98°C
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Solubility in Water

275 g/l @ 20°C

Reactivity in Water

None

Appearance and Color

Clear, colorless to straw colored mobile liquid

Melting Point/Freezing Point

< - 20°C

Sweet ether-like odor.

Section IV - Fire and Explosion Hazard Data

Flash Point 111°F, 44°C	Method Used Setaflash	Flammable Limits in Air, % Volume	LEL Lower 1.5	UEL Upper 11.0
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Auto-Ignition temperature

374°F, 190°C

Extinguisher Media

Water spray, dry chemical, foam, carbon dioxide

Special Fire Fighting Procedures

Firefighters should have eye protection and wear self-contained breathing apparatus.

Use water spray to cool containers exposed to fire.

Unusual Fire and Explosion Hazards

See Section V.

Section V - Physical Hazards/Reactivity Data

Stability

Unstable

Stable X

Conditions to Avoid

Normally stable. Do not distill to dryness; may contain Peroxides, which if heated may become explosive

Incompatibility (Materials to Avoid)

Oxidizers.

Hazardous Decomposition Products

Combustion produces carbon dioxide and carbon monoxide.

Hazardous Polymerization

May Occur

Will Not Occur X

Conditions to Avoid

Section VI - Health Hazards

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology

Yes

No X

IARC Monographs

Yes

No X

OSHA Regulated

Yes

No X

Signs and Symptoms

Exposure

Mild odor

Acute Overexposure

No data available. Expected to cause headache, nausea, dizziness, disorientation, drowsiness.

Chronic Overexposure

No data available.

Emergency and First Aid Procedures for Overexposure - Obtain prompt medical attention.

Inhalation

Move to fresh air. If necessary, restore and support breathing.

Eyes

Immediately flush with water for 15 minutes while lifting eyelids and rolling eyes.

Get immediate medical attention.

Skin

Wash promptly with soap and water. Remove contaminated clothing, wash before reuse.

Ingestion

Get medical help. If conscious and medical help not readily available, give water.

Section VII - Special Precautions and Spill/Leak Procedures

Precautions to be taken in Handling and Storage

Store in cool, dry, well ventilated location. Outside or detached storage is preferred. Separate from oxidizers.

Other Precautions

Avoid skin contact. Keep containers tightly closed. No smoking or eating in handling area.

Steps to be taken in case Material is Released or Spilled

Shut off sources of ignition. Pick up spill on sand, earth, or other non-combustible, absorbent material. Place in covered container for disposal. Flush area with water to remove last traces.

Waste Disposal Methods (Consult Federal, State and Local Regulations)

Dispose of as an ignitable waste in accord with regulations.

Section VIII - Special Protection and Control Measures

Respiratory Protection (Specify Type)

NIOSH approved organic vapor air purifying respirator.
Ventilation and local exhaust required.

Eye Protection

Chemical goggles and face shield.

Protective Gloves

Butyl or Viton rubber.

Other Protective Clothing or Equipment

Eye fountain and safety shower.

Work Hygiene Practices

Avoid direct contact with ethyl tetrahydrofurfuryl ether. Wash thoroughly after handling.

Transport Information

DOT: Ethers: N.O.S. (ethyl tetrahydrofurfuryl ether), 3, UN 3271, PG III.

Label: Flammable liquid