



MATERIAL SAFETY DATA SHEET

Ethyl THFA Ether

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	Ethyl THFA Ether
Chemical characterization	Tetrahydrofurfuryl ethyl ether, Tetrahydro-2(ethoxymethyl) furan 2-(Ethoxymethyl) tetrahydrofuran
Supplier	Castle Chemicals Ltd, Peak House 6 Oxford Road, Altrincham, Cheshire WA14 2DY Tel: +44 161 608 8800 Fax : +44 161 608 1910 E-mail: Info@ castlechemicals.com

2. HAZARDOUS / COMPOSITION INFORMATION ON INGREDIENTS

Name	CAS number	%
Ethyl Tetrahydrofurfuryl Ether	62435-71-6	
Tetrahydrofurfuryl ethyl ether		
Tetrahydro-2(ethoxymethyl) furan		
2-(Ethoxymethyl) tetrahydrofuran		

3. FIRST AID MEASURES

Signs and Symptoms	
Exposure	Mild odor
Acute Overexposure	No data available. Expected to cause headache, nausea, dizziness, disorientation and drowsiness.
Chronic Overexposure	no data available
Chemical Listed as Carcinogen or Potential Carcinogen	
National Toxicity	No
IARC Monographs	No
OSHA Regulated	No
Eye contact	Immediately flush with water for 15 minutes while lifting eyelids and rolling eyes. Get immediate medical attention.

Skin contact	Wash promptly with soap and water. Remove contaminated clothing, wash before reuse.
Inhalation	Move to fresh air. If necessary, restore and support breathing.
Ingestion	Get medical help. If conscious and medical help not readily available, give water.

4. FIREFIGHTING MEASURES

Extinguisher Media Special Fire Fighting Procedures	Water spray, dry chemical, foam, carbon dioxide Firefighters should have eye protection and wear self-contained breathing apparatus. Use water spray to coll containers exposed to fire.
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5. ACCIDENTAL RELEASE MEASURES

Personal 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.

6. HANDLING AND STORAGE

Advice on safe handling	Store in cool, dry, well ventilated location. Outside or detached storage is preferred. Separate from oxidizers.
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7. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

8. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	313 °F, 156 °C
Vapor Density (Air=1)	4.5
Specific Gravity (H ₂ O=1)	0.94
Vapor Pressure (mm Hg)	80 @ 209 °F, 98 °C
Solubility in Water	275 g/l @ 20°C
Reactivity in Water	None
Appearance and Colour	Clear, colourless to straw coloured mobile liquid, Sweet ether-like odor.
Melting Point / Freezing Point	< - 20°C
Flash Point	111 °F, 44 °C
Method Used	Setaflash
Flammable Limits in Air, % Volume	
LEL Lower	1.5
UEL Upper	11.0
Auto-Ignition temperature	374 °F, 190 °C

9. STABILITY AND REACTIVITY

Stability	Stable
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	Will Not Occur

10. TOXICOLOGICAL INFORMATION

N/A

11. ECOLOGICAL INFORMATION

N/A

12. DISPOSAL CONSIDERATIONS

N/A

13. TRANSPORT INFORMATION

Transport Information	DOT: Ethers: N.O.S. (ethyl tetrahydrofurfuryl ether), 3, UN 3271, PG III. Label: Flammable liquid
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14. REGULATORY INFORMATION

N/A

15. OTHER INFORMATION

Disclaimer

Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Castle Chemicals Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

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