

Material Safety Data Sheet (MSDS) - Tetrahydrofuran (THF)



Company Name: Loki Industries

1. Identification:

- Chemical Name: Tetrahydrofuran (THF)
- CAS Number: 109-99-9
- Synonyms: Oxolane, Butylene Oxide, Cyclotetramethylene Oxide
- Uses: Solvent, reagent in chemical synthesis, polymer precursor

2. Hazard Identification:

- Hazard Class: Highly Flammable Liquid (Category 2)
- Health Hazards: Causes skin and eye irritation, may cause drowsiness or dizziness, harmful if inhaled
- Precautionary Measures: Keep away from heat, sparks, open flames, and hot surfaces

3. Composition/Information on Ingredients:

- Chemical Formula: C₄H₈O
- Concentration: 100%

4. First-Aid Measures:

- Inhalation: Move to fresh air; seek medical attention if symptoms persist
- Skin Contact: Wash with soap and water
- Eye Contact: Rinse cautiously with water for several minutes
- Ingestion: Do not induce vomiting; seek medical help

5. Fire-Fighting Measures:

- Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam
- Hazards: Vapors may form explosive mixtures with air; peroxide formation risk
- Protection: Wear self-contained breathing apparatus (SCBA)

6. Accidental Release Measures:

- Personal Protection: Wear gloves, goggles, and protective clothing
- Spill Response: Absorb with inert material; ventilate area

7. Handling and Storage:

- Handling: Use in well-ventilated areas; avoid ignition sources
- Storage: Keep in a cool, dry place in a tightly sealed container; protect from light

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