



7/1/20

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

1. PRODUCT IDENTIFICATION

Trade Name(s): Liquid Smoke
Product Description: Mixture
Synonyms: Fog fluid
CAS No: N/A

Supplier:
EPRO Services, Inc.
PO Box 347
Derby, KS 67037
800-882-1896 (8:00am – 5:00pm CST)

2. HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture: Classification (GHS-US) - Not classified.

Label Elements: GHS-US Labeling – No labeling required.

Other Hazards: Other hazards not contributing to the Classification – Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US): No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable.

Mixture: The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret. Full text of H-phrases: see Section 16.

Name	Product Identifier	%	Classification (GHS-US)
Water	CAS No 7732-18-5	Proprietary	Not classified
Triethylene glycol	CAS No 112-27-6	Proprietary	Not classified
1,2-Propylene glycol	CAS No 57-55-6	Proprietary	Not classified

4. FIRST-AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

After Inhalation: None expected under normal conditions of use.

After Skin Contact: None expected under normal conditions of use.

After Eye Contact: None expected under normal conditions of use.

After Ingestion: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protections.

Other Information: Do not allow the product to be released into the environment. Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapors, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container.

Reference to Other Sections

See Section 8: Exposure Controls and Personal Protection.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/store away from extremely high or low temperatures, direct sunlight, and incompatible materials.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s)

Theatrical Fog/Haze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Not generally required. The use of personal protective equipment may be necessary as conditions warrant.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Other Information: When using, do not eat, drink, or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Odor: Odorless

Odor Threshold: No data available.
pH: Unknown
Relative Evaporation Rate (butylacetate=1): No data available.
Melting Point: No data available.
Freezing Point: -19°C / -2.2°F
Boiling Point: 99°C / 210.2°F
Flash Point: Does not flash.
Auto-Ignition Temperature: No data available.
Decomposition Temperature: No data available.
Flammability (solid, gas): No data available.
Vapor Pressure: No data available.
Relative Vapor Density at 20°C: No data available.
Relative Density: No data available.
Specific Gravity: Not available.
Solubility: Soluble in water.
Log Pow: No data available.
Log Kow: No data available.
Viscosity, Kinematic: No data available.
Viscosity, Dynamic: No data available.
Explosive Properties: No data available.
Oxidizing Properties: No data available.
Explosive Limits: Not applicable.

10. STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible materials.
Incompatible Materials: Strong acids. Strong Bases. Strong oxidizers.
Hazardous Decomposition Products: Carbon oxides (CO, CO₂).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity		Not classified.
Water (7732-18-5)	LC50 Inhalation Rat (ppm)	100000 ppm
1,2-Propylene glycol (57-55-6)	LD50 Oral Rat	20000 mg/kg
Triethylene glycol (112-27-6)	LD50 Dermal Rabbit	20800 mg/kg
Skin Corrosion/Irritation	Not classified.	pH: unknown
Serious Eye Damage/Irritation	Not classified.	pH: unknown
Respiratory or Skin Sensitization		Not classified.
Germ Cell Mutagenicity		Not classified.
Carcinogenicity		Not classified.
Reproductive Toxicity		Not classified.
Specific Target Organ Toxicity (Single Exposure)		Not classified.
Specific Target Organ Toxicity (Repeated Exposure)		Not classified.
Aspiration Hazard		Not classified.
Symptoms/Injuries After Inhalation:	None expected under normal conditions of use.	
Symptoms/Injuries After Skin Contact:	None expected under normal conditions of use.	

Symptoms/Injuries After Eye Contact: None expected under normal conditions of use.

Symptoms/Injuries After Ingestion: None expected under normal conditions of use.

12. ECOLOGICAL INFORMATION (non-mandatory)

Toxicity	1,2-Propylene glycol (57556)	LC50 Fish 1	51600 mg/l (Exposure time: 96 h. Species: Oncorhynchus mykiss [static])
		EC50 Daphnia 1	10000 mg/l (Exposure time: 24 h. Species: Daphnia magna)
		EC50 Other Aquatic Organisms 1	19000 mg/l (Exposure time: 96 h. Species: Pseudokirchneriella subcapitata)
	Triethylene glycol (112276)	LC 50 Fish 2	41 (41 .47) mg/l (Exposure time: 96 h. Species: Oncorhynchus mykiss [static])
		EC50 Daphnia 2	1000 mg/l (Exposure time: 48 h. Species: Daphnia magna [Static])
		LC50 Fish 1	56200 .63700 mg/l (Exposure time: 96 h. Species: Pimephales promelas [flowthrough])
Persistence and Degradability	Fog Fluid	EC50 Daphnia 1	42426 mg/l (Exposure time: 48 h. Species: Daphnia magna)
		LC 50 Fish 2	10000 mg/l (Exposure time: 96 h. Species: Lepomis macrochirus [static])
Bioaccumulative Potential	Fog Fluid		Not established.
Mobility in Soil	1,2-Propylene glycol (57556)	LC50 Fish 1	Not established.
	Triethylene glycol (112276)	Log Pow	< 1
Other Adverse Effects			-1.98 (at 25°C / 77°F) No additional information available. Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

14. TRANSPORT INFORMATION (non-mandatory)

In accordance with ICAO/IATA/IMDG/DOT

UN Number: Not regulated for transport

UN Proper Shipping Name: Not regulated for transport

Additional Information: No supplementary information available

Transport by Sea: Not regulated for transport

Air Transport: Not regulated for transport

15. REGULATORY INFORMATION (non-mandatory)

US Federal Regulations

Water (7732-18-5): Listed on the US TSCA (Toxic Substances Control Act) Inventory

1,2-Propylene glycol (57-55-6): Listed on the US TSCA (Toxic Substances Control Act) Inventory

EPA TSCA Regulatory Flag: Y2 – indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

Triethylene glycol (112-27-6): Listed on the US TSCA (Toxic Substances Control Act) Inventory

US State Regulations

- 1,2-Propylene glycol (57-55-6):** Minnesota – Hazardous Substance List
New Jersey – Right to Know Hazardous Substance List
Pennsylvania – RTK (Right to Know) List
Texas – Effects Screening Levels – Long Term
Texas – Effects Screening Levels – Short Term
- Triethylene glycol (112-27-6):** Pennsylvania – RTK (Right to Know) List
Texas – Effects Screening Levels – Long Term
Texas – Effects Screening Levels – Short Term

16. OTHER INFORMATION

This information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.