

Material Safety Data Sheet

Section I – Product Identification

Product Name: Water-Vapor Haze Fluid, Regular
Date of Revision: 05/09/2006
Produced By: CITC
2100 196th Street SW #138
Lynnwood, WA 98036
Prepared By: MSDS Coordinator
Emergency Phone: CHEM-TEL, INC. 1-800-255-3924
Chemical Name: Clean Distilled Food Grade H₂O
Molecular Formula: Water Based
Chemical Family: Distilled H₂O with trace amount of glycerin, U.S.P.¹

Section II – Hazardous Ingredients

No significant hazards for emergency response are known. . This is a fresh dated product. Use before date is recommended.

Section III – Physical Properties

Boiling Point: 212° F, (100° C) **Melting Point:** N/A
Specific Gravity: 1.0326/ 77° F, (25⁰C) (H₂O=1) **Vapor Pressure:** < 1.0 MMHG @ 68° F (20° C)
Solubility in Water: Complete
Evaporation Rate (water =1) >1.0): Less than 0.1
Appearance and Odor: Clear liquid with scant sweet odor.

Section IV – Fire and Explosion Data

Flash Point: Not Combustible at 275° F (135° C).
Flammable Limit: Not determined
Extinguishing Media: PMCC
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: No Explosion Hazard.

Section V – Health Hazard Data

Threshold Limit Value: No oral sensitivity levels, LD50, > 50ml/Kg
Emergency and First Aid Procedure: In case of eye contact, may cause slight transient eye irritation, Cornea injury is unlikely. Rinse with plenty of water for several minutes, keeping eyelids open. Skin: Essentially non-irritating to the skin. Rinse with water.
Chronic Effect of Overexposure: No long-term effects are known to result from exposure by inhalation or by skin contact. Exposure Guideline: ACGIH TLV is 20mg/m³. OSHA PEL is 20-mg/m³ total, 10 mg/m³ respirable.

Section VI – Reactivity Data

Stability: This product is stable under normal conditions. It does not polymerize.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Acrolein

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid strong oxidizing agent (such as sodium hypochlorite, hypochlorous acid

INHALATION: If heated and/or sprayed, airborne material will probably not cause any upper respiratory irritation to sensitive people or asthmatics. Avoid directly spraying into face.

Section VII – Spill or Leakage Procedure

Steps to be taken in case material is released or spilled: For **small spills, mop up or wash down to prevent slipping or slickness. For large spills, cover with absorbent material and sweep into drum. Dike large spills and remove to salvage tanks.**

Section VIII – Special Protection Information

Respiratory Protection (Specify Type): None likely to be required unless high concentrations of fog are prevalent. Haze produced from this liquid, however, has a maximum acceptable level of 3.7 liter/1,000 cubic meters. We have found levels 10x higher still are safe and cause no irritation. Low levels of exposure are only a guideline and should be used as a self-regulating tool. Some persons with pulmonary disease or respiratory disabilities react easily to any type of air stimulation. Proper care should be used to notify the public that fog will be used to allow them time to request to be relocated.

Ventilation:

Local Exhaust: Good room ventilation is adequate

Mechanical (General): Acceptable

Special: None

Other: None

Protective Gloves: Not required.

Eye Protection: Safety goggles when handling large quantities.

Other Protective Equipment: Clothing which will reduce skin contact.

Section IX – Special Precautions

Precautions to be taken in handling and storage: Keep tightly closed and at controlled room temperature, 50°F to 86°F (10° C to 30° C). Keep product in cool, dark area without ultraviolet exposure. Product has expiration date. Avoid prolonged periods of storage at temperatures below 50° F (10° C), or above 180° F (82° C).

Other Precautions: **Biodegradation** under aerobic laboratory conditions is high (BOD20 or DOD28/ThOD greater than 40%).

Section X – Requirements for Transportation

Proper Shipping Name: Water-Vapor Haze Fluid

Hazardous Classification: Not DOT regulated

Identification Number: N/A

Reportable Quantity: None

IMCO Class (International Travel): 60

Additional Labeling: None

While the manufacturer believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations. The use of this water-based fluid for any purpose other than to which it has been intended, shall hold the manufacturer harmless of all or any responsibility.