



Air Trace Fog Fluid

Material Safety Data Sheet

EFFECTIVE DATE: February 2011

This MSDS is provided in order to promote consumer understanding of the hazards associated with these products.

I. IDENTIFICATION

PRODUCT NAME: Air Trace Fog Fluid

FORMULA: Deionized water, Propylene Glycol USP, Glycerine USP, Alcohol

II. PHYSICAL PROPERTIES

APPEARANCE AND ODOUR:	Clear, odourless
BOILING POINT	258°C - 262°C (496.4F – 503.6F)
EVAPORATION RATE (Butyl Acetate=1)	.003 - .006
SPECIFIC GRAVITY (H ₂ O=1)	1.075 – 1.085 at 20 C
SOLUBILITY IN WATER	Soluble

III. INGREDIENTS

These products are all “water-based” glycol solutions. As such, toxicity is minimal.

Tests conducted by independent laboratories have confirmed the non-hazardous nature of these liquids. The most recent material test returned the following results:

Chromium (Cr)	Not detected
Cadmium (Cd)	Not detected
Mercury (Hg)	Not detected
Arsenic (As)	Not detected

IV. FLAMMABILITY DATA

Due to the fact that de-ionized water forms the base for all these solutions, no detectable fire or explosion hazard exists. Flammability is undetermined due to the lack of a flash point or auto-ignition temperature. Extinguishing techniques and/or media should be determined by the fire/safety personnel on site: water, foam, CO₂ and dry chemical media will not cause an adverse chemical or physical reaction with these products.



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V. HEALTH HAZARD DATA

No exposure limits have been determined for these products, nor for any of the ingredients from which they are formulated. Swallowing has no adverse effects in low doses. Higher doses may induce nausea and vomiting, but with no long-term toxicity. Inhalation produces no adverse effects when used according to standard practices. Continuous exposure to highly concentrated fog may lead to throat/respiratory tract irritation. Under such conditions, irritation should subside immediately upon moving to an area of low fog concentration. The fog produced by these products will be adequately filtered by any 10 – 20 micron filtration system. Contact with the liquid may cause minimal, temporary irritation to exposed skin areas. Eye contact with the liquid may also cause minimal, temporary irritation. In all cases of contact with the liquid, flushing of the exposed area with water is sufficient. No contra-indications may be determined, as ingredients have no independently toxicological effects, even when considered in combination with possible pre-existing physical conditions or dietary/medicinal regimens. Treatment of egregious overexposure may be determined by health personnel, with the principal attention given to the control of symptoms and overall clinical status.

VI. SPILL AND DISPOSAL PROCEDURES

Spills will result in a slippery film on most surfaces. Flushing with water is a sufficient response. Liquids may be safely disposed according to standard waste disposal methods.

VII. REACTIVITY DATA

The liquids described herein are stable formulas. No avoidable reactive risks can be determined through an extrapolation of all possible uses. Exposure to air, heat, water, and oxidants poses no risk for reaction. Non-standard combustion of these formulas may produce aldehydes, ketones, carbon dioxide and/or carbon monoxide.

VIII. CONCLUSION

The products covered by this MSDS are not regulated by any international regulating bodies, including the WHMIS. As such, they may be classified as non-hazardous. In view of the above MSDS, the most critical special information concerns protecting employees from irritation which may accompany long-term exposure to the products. Repeated and frequent contact with skin, eyes and/or clothing should be avoided. Rubber or otherwise coated gloves and eye protection should be worn when handling large volumes or quantities of these products.

IX. TRANSPORT INFORMATION

Road transport information

ADR Non-hazardous goods

RID Non-hazardous goods

Inland waterways transport

ADNR Non-hazardous goods

Marine transport

IMDG/UM Non-hazardous goods

Air transport

ICAO/IATA-DGR Non-hazardous goods

Dispatch by post Permitted



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