



## HEALTH & SAFETY DATA SHEET

### ACME HP LINE SMOKE FLUID

#### **1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY**

Name: PRO LIGHT CONCEPTS FOG LIQUID  
Synonyms: FLUID (neutral)  
Supplied by: PRO LIGHT CONCEPTS LTD  
PERSERVERANCE MILL  
OLIVE LANE  
DARWEN  
LANCASHIRE  
BB3 3DQ WWW.PROLIGHT.CO.UK

#### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Contains glycol's, polyglycols and de-mineralized water.  
Contains no substances in Part 1 of the approved Supply List, or with a maximum exposure limit (MEL) specified in Schedule 1 of COSHH.  
Contains monopropylene glycol, for which an occupational exposure standard has been set.

#### **3. HAZARDOUS INFORMATION**

No significant hazard to man or environment under normal conditions of handling and use.  
INGESTION - Low toxicity.  
EYE / SKIN - Low toxicity.  
INHALATION - Low concentration of hazardous substances in vapour. Undiluted vapour should not be inhaled. (Note: The concentration of smoke components in the final product is below the OES under normal operating conditions).

#### **4. FIRST AID MEASURES**

##### *Exposure Route Symptom Treatment*

Inhalation: Mild irritation: Remove from exposure, rest and keep warm. In severe of nose & throat cases or if recovery is not very rapid or complete, seek medical attention.

Skin Contact: Mild irritation: Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If large areas of skin are damaged or if irritation persists seek medical attention.

Eye Contact: Mild irritation: Irrigate thoroughly with water for at least 10 minutes.

Obtain medical attention.

Ingestion: Mild irritation of Gastro-intestinal tract: Wash out mouth with water. Do not induce vomiting

If patient is conscious, give water to drink. If patient feels unwell, seek medical attention.

#### **5. FIRE FIGHTING MEASURES**

Suitable Extinguishers: Alcohol resistant or all purpose-type foam. Use carbon dioxide or dry powder for small fires only.

Unsuitable Extinguishers: Do not direct a solid stream of water or foam into hot burning pools; as this may cause frothing and increase the intensity of a fire.

Hazardous Combustion Products: Oxides of carbon including aldehydes.

Special Equipment for fire fighting: Self contained breathing apparatus

#### **6. ACCIDENTAL RELEASE MEASURES**

Safety Precautions: Where appropriate PPE when handling - see section 8

Environmental Precautions: Prevent entry into drains and water courses

Clean up Procedure: Bund or absorb material with sand, earth or other suitable absorbent material. If possible, transfer to a salvage tank, otherwise absorb residues and place in suitable labelled containers and hold for waste disposal see section 14.

#### **7. HANDLING & STORAGE**

Safe Handling: Avoid prolonged skin contact. Avoid contact with eyes

Ensure good ventilation of area. Avoid creating spray

Do not breathe the undiluted vapor.

Storage: Store in original closed containers only.

Store at ambient temperature only.

Store away from materials listed in section 10.

#### **8. EXPOSURE CONTROLS & PERSONAL PROTECTION**

Respiratory: Type approved RPE for organic vapors and mists, if required.

Hand: PVC coated or rubber gloves.

Eye: Goggles or face shield.

Skin: Overalls and boots.

Hygiene Measures: Always wash thoroughly after handling chemicals.

#### **9. PHYSICAL & CHEMICAL PROPERTIES**

Appearance: Colorless Liquid

Odour: Mild

pH: Neutral

Boiling Point / Range 101.6 - 201.6°C

Melting Point / Range < -20°C

Flash Point > 78°C (test flame extinguished at 78°C)

Flammability Limits 2.9 - 18.1 v/v (estimated)

Vapour Pressure 2.67 kPa at 20°C

Relative density 1.050 at 20°C / 20°C

Solubility in water Completely miscible

#### **10. STABILITY & REACTIVITY**

Stability: Stable in normal conditions

Known hazardous reactions: Possibility of explosive decomposition if combined

with strong acids or bases at elevated temperatures.  
Conditions to avoid: Elevated temperatures  
Materials to avoid: Strong acids and bases: strong oxidisers  
Hazardous decomposition products: Oxides of carbon, including aldehydes

#### 11. **TOXICOLOGICAL INFORMATION**

OES for monopropylene glycol set at 150 ppm (total vapour and particulates) for 8-hour TWA, and 10 mg/m (particulates) for 15-minute STEL

LD for monopropylene glycol:

21000 - 33700 mg/kg oral - rat, >10000 mg/kg skin - rabbit.

May cause slight irritation to skin, eyes and mucous membranes. Large doses may produce adverse effects on liver, kidney's and central nervous system.

No evidence in developmental toxicity studies for either embryotoxic or teratogenic effects.

#### 12. **ECOLOGICAL INFORMATION**

Mobility Liquid with low volatility, soluble in water, predicted to have high mobility in soil.

Degradability The preparation is largely biodegradable:

BOD = 1.08 gO /g; ThOD = 1.68 gO /g;

COD = 1.63 gO /g; BOD /ThOD = 86%

Accumulation Low

Short and long-term effects LC fathead minnow = 4600 - 54900 mg/l

EC Daphnia magna = 4850 - 34400 mg/l

#### 13. **TRANSPORT INFORMATION**

No special precautions for transport.

#### 14. **DISPOSAL CONSIDERATIONS**

Substance Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container As for substance. Used containers must not be cut up or punctured until completely purged of product residues.

#### 15. **REGULATORY INFORMATION**

Supply label details In accordance with CHIP 2, Regulation 9.

Label Name Fog Liquid

Symbol No risk or safety phrases stipulated.

Risk phrases No risk or safety phrases stipulated.

Safety phrases No risk or safety phrases stipulated.

E.E.C. Number

Use of this material may be governed by the following regulations:

COSHH, HSWA, MHSW.

Users are advised to consult these regulations for further information. The information contained in this data sheet does not constitute an assessment of workplace risk as required by other health and safety legislation.

#### 16. **OTHER INFORMATION**

No special training is required for handling this preparation other than normal precautions for safe handling of chemicals.

This material is usually used for the production of synthetic smoke in an appropriate ANTARI smoke generator. The concentration of smoke components is below the OES under normal operating conditions.

It must not be used for any other purpose, or in any other equipment

Further information can be obtained from the supplier, whose address and telephone number are given in section 1.

## 17. **LEGAL DISCLAIMER**

The above information is based on the present state of our knowledge of the product at the times of publication of this data sheet. It is given in good faith, no warranty is implied with respect to the quality of the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

If you have purchased the product for supply to a third party, it is your duty to take all necessary steps to ensure that any person handling and using the product is provided with the information in this sheet. If you are an employer it is your duty to tell your employees and others who may be affected by any hazard described in this sheet and of any precautions that should be taken.

