



MATERIAL SAFETY DATA SHEET (MSDS)

Range of Products:

PFX-LOWFOG

Smoke Fluid

(Low Fog, Ready To Use)

1 – IDENTIFICATION OF PRODUCT & COMPANY

1.1 Identification of product:

Product Name: PULSE LOW FOG FLUID

Synonyms: PFX-LOWFOG, Low Fog Fluid, low smoke fluid(RTU) ready-to-use.

Use: Fluid used for creating smoke effects which are used in applications such as stage shows or professional entertainment

1.2 Identification of company:

PULSE Premier Farnell PLC
150 Armley Road
LEEDS
LS12 2QQ

Telephone: +44 (0)870 129 8608

Email: info@pulse-audio.co.uk
WEB: www.pulse-audio.co.uk

In case of emergency: +44 (0)8447 88 00 88

2 – HAZARD IDENTIFICATIONS

2.1 Repeated or prolonged contact with skin can lead to skin degreasing.

3 – COMPOSITION / COMPONENTS INFORMATION

3.1 **Components or impurities:** n/a

3.2 **Chemical nomenclature:** Blend of glycols (<=50%) and demineralised water (>=50%)

4 – FIRST AID MEASURES

- 4.1 **Skin contact:** Immediately rinse with clean water. If skin irritation continues seek medical advice.
- 4.2 **Eye contact:** Make sure to remove contact lenses from eyes before rinsing. Rinse opened eye for several minutes under clean running water. If symptoms persist seek medical advice.
- 4.3 **Ingestion:** Rinse mouth carefully. Do not induce vomiting, call for medical help immediately.
- 4.4 **Inhalation:** Supply fresh air at once. Seek medical advice immediately.

5 – FIRE FIGHTING MEASURES

- 5.1 **Extinction ways:** Water, Carbon Dioxide, dry chemical, foam.
Keep containers and surrounding area cool with water spray
- 5.2 **Fire or explosion dangers:** Auto ignition at 370°C
- 5.3 **Appropriated measures against fire:** Self contained breathing apparatus and full protective clothing.

6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Do not discharge onto the ground or into water courses.
- 6.2 Remove ignition sources.
Provide adequate ventilation.
Avoid excessive inhalation of vapours.
Gross spillage should be contained immediately by use of sand or inert powder and disposed of according to local regulations.
Prevent spills from entering sewers or waterways and soil.
Self contained breathing apparatus is recommended in case of major spill.

7 – HANDLING & STORAGE

- 7.1 Avoid contact with eyes and skin. Keep product in closed container, protect from light. Keep air contact to a minimum. Wear gloves and eye protection. Use in well ventilated areas.
- 7.2 Prevent any spillage or seepage into the ground. Keep container tightly sealed and in a cool, dry, well ventilated area, away from heat sources and sources of ignition, including naked flames.

8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

- 8.1 Avoid inhalation of vapours.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limits.
- 8.2 Wear safety goggles.
Ensure eye wash stations are close by.
Avoid skin contact.
Use chemically resistant gloves.

9 – PHYSICAL & CHEMICAL PROPERTIES

- 9.1 **Texture:** Liquid
- 9.2 **Temperatures:** Boiling point: 185-189°C Solidification: -60°C
- 9.3 **Water solubility:** Completely soluble
- 9.4 **pH value:** 6 - 6.5
- 9.5 **Vapour pressure:** 0.22mm Hg 20°C
- 9.6 **Volumetric capacity:** NA
- 9.7 **Flash point:** NA
- 9.8 **Self ignition temp:** 370°C
- 9.9 **Other data:** Vapour density – 2.62

10 – STABILITY AND REACTIVITY

- 10.1 **Reactivity Hazard:** Presents no significant reactivity hazard by itself or in contact with water.
- 10.2 **Avoid contact with:** Strong acids, alkalis or oxidising agents.
- 10.3 **Dangerous decomposition products:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

11 – TOXICOLOGICAL INFORMATION

- 11.1 Irritation insufficient to warrant labelling as an eye irritant.
Low order of acute toxicity.

12 – ECOLOGICAL INFORMATION

- 12.1 The product is biodegradable.
- 12.2 This material is unlikely to accumulate in the environment and therefore any environmental problems, under normal use conditions, are unexpected.

13 – ELIMINATION CONSIDERATION

- 13.1 Dispose of according to local regulations.
Avoid disposing of into drainage systems or into the environment.

14 – TRANSPORT INFORMATION AND CONDITIONS

- 14.1 **Non-hazardous.** No restrictions apply

15 - REGULATORY INFORMATION

- 15.1 Classification and labelling have been performed according to EU directive 67/548/EEC, 88/379/EEC including amendments and the intended use.
- 15.2 **Risk phrases:** This product is not classified according to the EU regulations.
- 15.3 **Safety phrases:** S24 – Avoid eye and skin contact
S37 / 39 – Wear suitable gloves and eye/face protection

16 - OTHER INFORMATION

- 16.1 The information in this leaflet is, to the best of our knowledge, true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.