



Low Smoke Fluid Safety Data Sheet

According to Regulation(EC) No 1907/2006 (REACH), ANNEX II

Date of issue: 23rd April 2012

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

Name: Low Smoke Fluid
Le Maitre Ltd. Code Number: 2904

1.2 Use of the substance/preparation

Fluid for use in the creation of smoke effects using a dedicated smoke machine.

1.3 Company/undertaking identification

Le Maitre Ltd
6 Forval Close
Wandle Way
Mitcham, Surrey
CR4 4NE
Tel: +44 208 646 2222
Fax: +44 208 646 1955

1.4 Emergency telephone

UK: +44 20 8646 2222 (Only available during office hours)
US: +1 702 843 5080 (Only available during office hours)

2. HAZARDS IDENTIFICATION

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)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains:

High purity polyglycol:

EINECS No.: 200-338-0

REACH Registration No.: 01-2119456809-23-xxxx

De-mineralised water

Contains no substances with a maximum exposure limit (MEL) specified in Schedule 1 of COSHH.
Contains a polyglycol, for which an occupational exposure standard has been set.

4. FIRST AID MEASURES

Exposure Route	Symptom	Treatment
Inhalation	Mild irritation of nose & throat	Move to fresh air.
Skin Contact	Mild irritation	Wash off with soap and water. Remove contaminated clothing and shoes.
Eye Contact	Mild irritation	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids. If symptoms persist, seek medical attention.
Ingestion	Mild irritation of gastro-intestinal tract	Wash out mouth with water and drink plenty of water. Do not induce vomiting. If patient feels unwell seek medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishers	Alcohol-resistant foam. Water spray. 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	Strong heating may produce combustible vapours which can form explosive mixture in air.
Special Equipment for Fire Fighting	Self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Safety Precautions	Wear 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 13

7. HANDLING AND STORAGE

Safe Handling	Avoid prolonged skin contact. Avoid contact with eyes. Ensure good general ventilation of area. Avoid creating spray. Do not breathe undiluted vapour
Storage	Store in original closed containers Store at ambient temperature Store away from materials listed in section 10
Specific Use(s)	Only for use in designated smoke machine for the production of smoke as a special effect

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Recommended exposure limit: 10mg/m³

8.2 Exposure controls

Respiratory	Type approved RPE for organic vapours 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 AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Colourless Liquid
Odour:	Mild
Odour Threshold:	No data available.

9.2 Important health, safety and environmental information

pH:	Neutral
Boiling Point/Range:	187°C - 285°C
Melting Point/Range:	<-20°C
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability:	No data available.
Upper explosion limit:	No data available.
Lower explosion limit:	No data available.
Vapour pressure:	No data available.
Relative vapour density:	No data available.
Density:	1.02 g/cm ³ (approximate)

9.3 Other information

Solubility in water: Completely miscible

10. STABILITY AND REACTIVITY

Stability: Stable in normal conditions

Known hazardous reactions: No dangerous reaction known under conditions of normal use.

10.1 Conditions to avoid

Elevated temperatures

10.2 Materials to avoid

Strong oxidizing agents. Acids. Isocyanates.

10.3 Hazardous decomposition products

Carbon monoxide. Toxic gases.

11. TOXICOLOGICAL INFORMATION

Polyglycol exposure limit (inhalation): 10mg/m³.

LD₅₀ for polyglycol:

Oral rat: 22000 mg/kg. Inhalation rabbit: 317 mg/kg. Skin rabbit: 2000 mg/kg.

Oral:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation:

Inhalation of high concentration may cause mechanical overstraining of mucous membranes.

Skin:

Repeated exposure may cause skin dryness or cracking.

Eyes:

Splash in the eyes may cause discomfort.

Moderate eye irritation.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Short and long-term effects: Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/l in most sensitive species).

12.2 Mobility

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

12.3 Persistence and degradability

Material is readily biodegradable.

12.4 Bioaccumulative potential

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.5 Other adverse effects

None known.

13. 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

14. TRANSPORT INFORMATION

No special precautions for transport

15. REGULATORY INFORMATION

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 Le Maitre smoke- machine. The concentration of smoke components is below the OES under normal operating conditions.

It must not be used for any other purpose, and is only recommended for use in Le Maitre smoke machines.

Further details may be available on request from the supplier, whose address and telephone number are given in section 1.

17. LEGAL DISCLAIMER

The information presented herein is accurate to the best of our knowledge. Le Maitre Ltd. will not be held liable for any inaccuracy, non-concurrency or incompleteness of the information provided. We disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by any use of, the product not in conformity with the instructions herein.

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.