



Global Smoke Fluid

Safety Data Sheet

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

Date of issue: 19th April 2012

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

1.1 Identification of the substance or preparation

Name: Global Smoke Fluid
Le Maitre Ltd. Code Number: 2924

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.: 203-872-2

REACH Registration No.: 01-2119457857-21-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 | Remove from exposure, rest and keep warm. In severe cases, or if recovery is not 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 the 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 | 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 |

9.2 Important health, safety and environmental information

| | |
|----------------------|---------------|
| pH: | Neutral |
| Boiling Point/Range: | 187°C - 285°C |

Melting Point/Range: <-20°C

Flash Point: Non indicated by *The Merck Index (ninth edition)*

9.3 Other information

Solubility in water: Completely miscible

10. STABILITY AND REACTIVITY

Stability: Stable in normal conditions

Known hazardous reactions: Possibility of explosive decomposition if combined with strong acids or bases at elevated temperatures

10.1 Conditions to avoid

Elevated temperatures

10.2 Materials to avoid

Strong acids and bases; strong oxidisers

10.3 Hazardous decomposition products

Oxides of carbon, including aldehydes

11. TOXICOLOGICAL INFORMATION

AIHA Workplace Environmental Exposure Level (WEEL) for polyglycol: Vapor and Aerosol = 50ppm; Aerosol, only = 10mg/m³.

LD₅₀ for polyglycol:

Oral rat LD₅₀: 12565 mg/kg. Skin rabbit LD₅₀: 11.89 g/kg Irritation: eye rabbit, standard Draize: 50 mg mild.

May cause slight irritation to skin, eyes and mucous membranes. Polyglycol is mildly toxic in large doses and may produce adverse effects on liver, kidneys and central nervous system. No evidence in developmental toxicity studies for either embryotoxic or teratogenic effects.

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

Although we always attempt to make our information as accurate, current, and complete as possible, the information herein is provided “as is” without any express or implied warranty of any kind. As such we disclaim liability for any inaccuracy, non-currency or incompleteness of any individual item herein and the inability to fulfil any purpose contemplated. 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.

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. We disclaim liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by you by any non-compliance with this instruction.