



# Industrial Smoke Fluid

## Safety Data Sheet

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

**Date of issue: 23<sup>rd</sup> April 2012**

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

#### **1.1 Identification of the substance or preparation**

Name: Industrial Smoke Fluid  
Le Maitre Ltd. Code Number: 2932

#### **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

Food grade polyol:

EINECS No.: 200-289-5

REACH Registration No.: Exempt under REACH Annex V

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<br>Store at ambient temperature<br>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/m<sup>3</sup>

### 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: 1.05 g/cm<sup>3</sup> (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/m<sup>3</sup>.

LD<sub>50</sub> 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.