



# Global Deluxe Smoke Fluid

## Safety Data Sheet

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### Section 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1. Product identifier**

**Product name** Global Deluxe Smoke Fluid  
**Product number** 2928

#### **1.2. Relevant identified uses of the substance or mixture**

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

#### **1.3. Details of the supplier of the safety data sheet**

**Supplier** 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**

**Emergency number** +44 208 646 2222 (Only available during office hours)

## Section 2: Hazards Identification

### 2.1. Classification of the substance or mixture classification (EC/1272/2008)

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** -

**Environmental** The product is not expected to be hazardous to the environment.

### 2.2. Label elements

**EC number** -

**Hazard statements** NC Not Classified

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

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)

## Section 3: Composition/information on ingredients

### 3.1. Substances

| Component Name       | Weight % | CAS No.   | EC No.    | Reach No.             | Classification          |
|----------------------|----------|-----------|-----------|-----------------------|-------------------------|
| Monopropylene Glycol | <70%     | 57-55-6   | 200-338-0 | 01-2119456809-23      | No classification (GHS) |
| Water                | <40%     | 7732-18-5 | 321-791-2 | Exempted              | No classification (GHS) |
| Triethylene Glycol   | <15%     | 112-27-6  | 203-953-2 | 01-2119438366-35-XXXX | No classification (GHS) |

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.

## **Section 4: First aid measures**

### **4.1. Description of first aid measures**

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

### **4.2. Most important symptoms and effects, both acute and delayed**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Mild irritation of nose & throat           |
| <b>Skin Contact</b> | Mild irritation                            |
| <b>Eye Contact</b>  | Mild irritation                            |
| <b>Ingestion</b>    | Mild irritation of gastro-intestinal tract |

### **4.3. Indication of any immediate medical attention and special treatment needed**

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

## **Section 5: Firefighting measures**

### **5.1. Extinguishing media**

|                                 |  |
|---------------------------------|--|
| <b>Suitable Extinguishers</b>   | Alcohol-resistant foam or water fog. Use carbon dioxide or dry powder for small fires only.  |
| <b>Unsuitable Extinguishers</b> | 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. |

### **5.2. Special hazards arising from the substance or mixture**

|                                      |  |
|--------------------------------------|--|
| <b>Hazardous Combustion Products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
|--------------------------------------|--|

### **5.3. Advice for firefighters**

**Special Equipment for Fire Fighting** Self-contained breathing apparatus and appropriate protective clothing.

## **Section 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Safety Precautions** Wear appropriate PPE when handling - see Section 8.

### **6.2. Environmental precautions**

**Environmental Precautions** Prevent entry into drains and water courses.

### **6.3. Methods and materials for containment and cleaning up**

**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.

### **6.4. Reference to other sections**

**Reference to other sections** Wear appropriate PPE when handling - see Section 8.

## **Section 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Avoid spilling, skin and eye contact. Avoid breathing vapour/spray.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in tightly-closed container at temperatures between 0°C and 40°C in a well-ventilated.

### **7.3. Specific end use(s)**

**Specific Use(s)** The identified uses for this product are detailed in Section 1.2.

## Section 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> particulate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m<sup>3</sup> total vapour and particulates

WEL = Workplace Exposure Limit

|             |   |
|-------------|---|
| <b>DNEL</b> | General population - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup> |
|             | General population - Inhalation; Long term local effects: 10 mg/m <sup>3</sup>    |
|             | Workers - Inhalation; Long term systemic effects: 168 mg/m <sup>3</sup>           |
|             | Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup>               |
| <b>PNEC</b> | - Fresh water; 260 mg/l   |
|             | - Marine water; 26 mg/l   |
|             | - STP; 20000 mg/l   |
|             | - Sediment (Freshwater); 572 mg/kg  |
|             | - Sediment (Marinewater); 57.2 mg/kg  |
|             | - Soil; 50 mg/kg  |

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### 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.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| <b>Appearance:</b>                                  | Liquid   |
| <b>Colour</b>                                       | Colourless   |
| <b>Odour:</b>                                       | Mild   |
| <b>Odour Threshold:</b>                             | No data available.   |
| <b>pH</b>   | No information available.  |
| <b>Melting point</b>                                | <-51°C   |
| <b>Initial boiling point and range</b>              | No information available.  |
| <b>Flash point</b>                                  | No information available.  |
| <b>Evaporation rate</b>                             | 0.01 (butyl acetate = 1)   |
| <b>Flammability (solid, gas)</b>                    | No information available.  |
| <b>Upper/lower flammability or explosive limits</b> | Lower flammable/explosive limit: 2.6 Upper flammable/explosive limit: 12.5 |
| <b>Vapour pressure</b>                              | 20 Pa @ 25°C   |
| <b>Vapour density</b>                               | No information available.  |
| <b>Relative density</b>                             | 1.03 - 1.05 @ 20°C   |
| <b>Solubility(ies)</b>                              | Soluble in water.  |
| <b>Partition coefficient</b>                        | log Pow: -1.07   |
| <b>Auto-ignition temperature</b>                    | >370°C   |
| <b>Decomposition Temperature</b>                    | No information available.  |
| <b>Viscosity</b>                                    | 43 cSt @ 20°C  |
| <b>Explosive properties</b>                         | Not considered to be explosive.  |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising.                |

### 9.2. Other information

|                   |                |
|-------------------|----------------|
| Other information | Not determined |
|-------------------|----------------|

## Section 10: Stability and Reactivity

### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

### 10.2. Chemical stability

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. |
|------------------|---|

### 10.3. Possibility of hazardous reactions

|   |             |
|---|-------------|
| <b>Possibility of hazardous reactions</b> | None known. |
|---|-------------|

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

**Materials to avoid** Strong oxidising agents. Strong acids. Strong alkalis.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

|  |
|--|
| <b>Section 11: Toxicological effects</b> |
|--|

**11.1. Information on toxicological effects****Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>mg/kg) 22,000.0

Species Rat

ATE oral (mg/kg) 22,000.0

**Acute toxicity – dermal**

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> > 2000 mg/kg, Dermal, Rabbit

**Skin corrosion/irritation**

Animal data Not irritating. OECD 404

**Serious eye damage/irritation**

Serious eye damage/irritation Not irritating.

**Respiratory sensitisation**

Respiratory sensitisation No information available.

**Skin sensitization**

Skin sensitisation Not sensitising.

**Germ cell mutagenicity**

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

**Carcinogenicity**

Carcinogenicity There is no evidence that the product can cause cancer.

**Reproductive toxicity**

Reproductive toxicity – fertility This substance has no evidence of toxicity to reproduction.

**Specific target organ toxicity - single exposure**

STOT - single exposure No information available.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure No information available.

**Aspiration hazard**

Aspiration hazard No information available.

|            |  |
|------------|--|
| Ingestion  | 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.                        |

## Section 12: Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1 Toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 Hours: 40613 mg/l, *Onchorhynchus mykiss* (Rainbow Trout)

**Acute toxicity – aquatic Invertebrates** EC<sub>50</sub>, 48 Hours: >4000 mg/l *Daphina magna*

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 19000 mg/l, *Scenedesmus subspicatus*

### 12.2 Persistence and degradability

**Persistence and degradability** Material is readily biodegradable.

**Biodegradation**  
 - Degradation 81%: >28 days  
 OECD 301F  
 - Degradation 96%: 64 days

### 12.3 Bioaccumulative potential

**Bioaccumulative potential** This product is not bioaccumulating. BCF: <100

### 12.4 Mobility in soil

**Mobility** This product is soluble in water.

### 12.5 Results of PBT and VPvB assessment

**Results of PBT and VPvB assessment** 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).

### 12.6 Other adverse effects

**Other adverse effects** No information required



## Section 13: Disposal considerations

### 13.1 Waste treatment methods

|                   |   |
|-------------------|---|
| <b>Substance:</b> | Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| <b>Container:</b> | As for substance. Used containers must not be cut up or punctured until completely purged of product residues.                |

## Section 14: Transport information

|                |   |
|----------------|---|
| <b>General</b> | This product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). |
|----------------|---|

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

No transport warning sign required

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Environmentally hazardous substance substance/marine pollutant

No.

### 14.6. Special precautions for user

No information required.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

|  |                |
|--|----------------|
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |
|--|----------------|

## Section 15: Regulatory information

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

#### **Inventory Information**

EINECS TSCA AICS KECL PICCS NZIOC

### **15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

## Section 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.

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