

## HEALTH & SAFETY DATA SHEET

### TITLE 1 : Identification of the Substance / Preparation and Company

#### 1.1. Identification of the preparation

Product form: Mixture

Product Name :

PRODUCT DESCRIPTION	REFERENCE	CODE PRODUCT	CONTENT
NORMAL SMOKE FLUID	SMOKE1L-N	15-1023	CAN 1L
NORMAL SMOKE FLUID	SMOKE5L-N	15-1018	CAN 5L
HIGH DENSITY SMOKE FLUID	SMOKE1L-HD	15-1022	CAN 1L
HIGH DENSITY SMOKE FLUID	SMOKE5L-HD	15-1017	CAN 5L
VERY HIGH-DENSITY SMOKE FLUID	SMOKE5L-VHD	15-1016	CAN 5L
LOW LEVEL SMOKE FLUID	SMOKE5L-LOW	15-1024	CAN 5L

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

##### 1.2.1. Relevant identified uses

Use of the substance / mixture: Liquid formulation used to produce an artificial smoke used in the entertainment events, shows, clubs, theaters, training occupational safety drills. Professional use and general public use

##### 1.2.2. Uses deprecated

No additional information available

#### 1.3. Identification of the company

LOTRONIC SA  
9, avenue Zenobe Gramme  
1480 - SAINTES - TUBIZE - BELGIUM  
Tel: +32 2 390 91 91 - +32 2 390 93 19  
Web site: www.lotronic.net



#### 1.4. Emergency Telephone Number

Country	Company	Emergency Number
France	ORFILA	+33 (0) 1 45 42 59 59

### TITLE 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] : Not Classified

##### Physicochemical harmful effects, for human health and the environment

To our knowledge, this product does not present any particular risk, subject to compliance with the general rules of industrial hygiene

#### 2.2. Label Elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Child-resistant fastening: Not applicable

Tactile warning: Not applicable

#### 2.3. Other Hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### TITLE 3 : Composition / information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

Product	Product Identifier	%	Classification according to Regulation EC No 1272/2008 (CLP)
TRIETHYLENE GLYCOL	(CAS Number ) 112-27-6 (CE Number) 203-953-2 (N° REACH) 01-2119438366-35	14 - 26	Unclassified
MONOPROPYLENE GLYCOL	(CAS Number) 57-55-6 (CE Number) 200-338-0 (N° REACH) 01-2119456809-23	4-8	Unclassified

Full text of H-phrases: see section 16

### TITLE 4 : First Aid

#### 4.1. First aid indications

First aid after inhalation : Remove the person to fresh air and keep her in a position comfortable for breathing.  
First aid for skin contact: Wash skin with plenty of water.  
First aid after eye contact : Rinse eyes with water as a precaution.  
First aid after ingestion: Call a poison control center or physician if you feel unwell.

#### 4.2. Main symptoms and effects, acute and delayed

No additional information available

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

Symptomatic treatment.

### TITLE 5 : Measures against fire

#### 5.1. Extinguishing Media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Possible release of toxic fumes

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus  
Complete protective clothing

### TITLE 6 : Measures Accidental Release

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

##### 6.1.1. For non emergency personnel

Emergency Procedures: Ventilate spill area

##### 6.1.2. For emergency responders

Protection Equipment: Do not attempt to take action without suitable protective equipment..  
For further information, refer to Section 8: "Control of individual exposure-protection ".

#### 6.2. Precautions for environmental protection

Avoid release into the environment.

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

Methods for cleaning up: Take up liquid spill into absorbent material.  
Other information's : Dispose of materials or solid residues at an authorized site

#### 6.4. Reference to other sections

For more information, see Section 13.

### TITLE 7 : Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions: Keep only in the original container. Keep in the dark  
Store in a well ventilated area.  
Store away from light.

Storage temperature: 0 - 50 °C

#### 7.3. Particular end use

No additional information available

### TITLE 8: Exposure controls / personal protection

#### 8.1. Control Parameters

8.1.1 National occupational exposure and biological limit values: No additional information available

8.1.2. Recommended monitoring procedures: No additional information available

8.1.3. Air contaminants formed: No additional information available

8.1.4. DNEL and PNEC : No additional information available

8.1.5. Control banding: No additional information available

#### 8.2. Exposure controls

8.2.1 Appropriate engineering controls: Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2 Personal protective equipment symbol (s)



8.2.2.1. Eye and face protection Eye protection: Safety glasses

8.2.2.2. Skin protection :

Skin and body protection: Wear suitable protective clothing

Hand protection : Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

### TITLE 9 : Physical and chemical properties

#### 9.1. Basic physical and chemical properties Information

Physical state: Liquid

Colour : Colorless, Yellow, Pink

Odour : no smell

Odour threshold: No data available

pH : 7 - 8

Relative evaporation rate (butylacetate = 1): No data available

Fusion point: Not applicable

Freezing point : No data available

Boiling point : 100 - 290 °C

Flash point : > 175 °C

Auto ignition temperature : 370 °C

Decomposition Temperature :	No data available
Flammability (solid, gas):	Not applicable
Vapor Pressure:	No data available
Relative vapor density at 20 ° C:	No data available
Relative density:	No data available
Density :	1018 kg /m3 at 20°C.
Solubility :	Soluble in water. Partially soluble in organic solvents by the presence of glycolic derivative
Log Pow :	No data available
Kinematic viscosity:	No data available
Dynamic viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosion limits:	No data available

## 9.2. Other informations

9.2.1. Information with regard to physical hazard classes:	No additional information available
9.2.2. Other safety characteristics:	No additional information available

## TITLE 10 : Stability and reactivity

<b>10.1. Reactivity</b>	The product is not reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Stable under normal conditions
<b>10.3. Possibility of hazardous reactions</b>	Reacts violently with oxidation agents
<b>10.4. Conditions to avoid</b>	None under conditions of storage and handling recommendations (see section 7).
<b>10.5. Incompatible materials</b>	Strong acids. oxidizing agent.
<b>10.6. Hazardous decomposition products</b>	Thermal decomposition generates: Carbon monoxide. Carbon dioxide.

## TITLE 11 : Toxicological informations

### 11.1. Information on hazard classes as defined in Regulation ( EC ) n° 1272/2008

Acute toxicity (oral) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation) :	Not classified
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified <small>pH 7 - 8</small>
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard	Not classified

### 11.2. Information on other hazards

No additional information available

## TITLE 12 : Ecological informations

### 12.1. Toxicity

Ecology - general :	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment
Hazardous to the aquatic environment, short-term (acute) :	Not classified
Hazardous to the aquatic environment, long-term (chronic) :	Not classified

### 12.2. Persistence and degradability

No additional information available

### 12.3. Potential for bioaccumulation

No additional information available

### 12.4. Mobility in soil

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Endocrine disrupting properties**

No additional information available

**12.7. Other adverse effects**

No additional information available

**TITLE 13 : Considerations Disposal**

**13.1. Waste treatment methods**

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

**TITLE 14 : Transport informations**

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

**14.1. ONU number**

UN - N° (ADR) : Not applicable  
UN - N° (IMDG) : Not applicable  
UN - N° (IATA) : Not applicable  
UN - N° (ADN) : Not applicable  
UN - N° (RID) : Not applicable

**14.2. Official shipping transport name ONU**

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

**14.3. Hazard class for transport**

ADR - Hazard class for transport (ADR) : Not applicable  
IMDG - Hazard class for transport (IMDG) : Not applicable  
IATA - Hazard class for transport (IATA) : Not applicable  
ADN - Hazard class for transport (ADN) : Not applicable  
RID -Hazard class for transport (RID) : Not applicable

**14.4. Packing Group**

Packing Group (ADR) : Not applicable  
Packing Group (IMDG) : Not applicable  
Packing Group (IATA) : Not applicable  
Packing Group (ADN) : Not applicable  
Packing Group (RID) : Not applicable

**14.5. Environmental hazards**

Dangerous for the environment: No  
Marine pollutant: No  
Other information's : No supplementary information available

**14.6. Special precautions for user**

- Overland transport No data available  
- By sea transport No data available  
- Air transport No data available  
- Inland Waterway transport No data available  
- Rail transport No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## TITLE 15 : Regulatory information

### 15.1. Regulations / legislation for the substance or mixture Safety, health and environment

#### 15.1.1. EU regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

**TITLE 16 : Other informations**

Indication of changes			
Section	Changed item	Change	Comments
	SDS EU format	Modified	

Abreviations and acronyms	
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration factor
<b>BLV</b>	Biological limit value
<b>BOD</b>	Biochemical oxygen demand (BOD)
<b>COD</b>	Chemical oxygen demand (COD)
<b>DMEL</b>	Derived Minimal Effect level
<b>DNEL</b>	Derived-No Effect Level
<b>EC - N°</b>	European Community number
<b>EC50</b>	Median effective concentration
<b>EN</b>	European Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Median lethal concentration
<b>LD50</b>	Median lethal dose
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration

Abreviations and acronyms	
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand (ThOD)
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS n°</b>	Chemical Abstract Service number
<b>N.O.S</b>	Not Otherwise Specified
<b>vPvB</b>	Very Persistent and Very Bioaccumulative
<b>ED</b>	Endocrine disrupting properties

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.