

HEALTH & SAFETY DATA SHEET

TITLE 1 : Identification of the Substance / Preparation and Company

1.1. Identification of the preparation

Product form: Mixture
Product Name : FOS TECHNOLOGIES - FOG LIQUID CO2 - REF L004671 - CAN 5L
Customs Code : 29053100

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 haze 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

FOS TECHNOLOGIES LTD
Athens Office
Dervenion 31 - 14451 Metamorfosi , GR
T +30 210 2811700 - info@fos-lighting.eu
www.fos-lighting.eu

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)
PROPANE - 1,2 - DIOL	(CAS Number) 57-55-6 (CE Number) 200-338-0 (N° REACH) 01-2119456809-23	< 30	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.
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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire :	Possible release of toxic fumes
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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
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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
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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 ".
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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.
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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: 5 to 35 °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

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

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

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

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