

MATERIAL SAFETY DATA SHEET

CONFIRMS TO REGULATION 1907/2006/EC (REACH)
Version: 1.0

NAME: ECO2JET FLUID 5L

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade Name: MFX3090 - MAGICFX® ECO2JET Outdoor Fluid 5L
MFX3091 - MAGICFX® ECO2JET Indoor Fluid 5L

Registration number: Not applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use: Fog and smoke simulation
Uses advised against: Not applicable

1.3 Details of the supplier of the material safety data sheet

Company identification:

Company: Magic FX BV
Address: Schouwrooij 27
NL-5281 RE Boxtel
Tel: +31 (0)411-74 81 00
E-mail: info@magicfx.eu
Web: www.magicfx.eu

1.4 In case of emergency (ICE)

During office hours:
Magic FX BV +31 (0)411-74 81 00

Emergency telephone number:
Belgium: Antipoison Center - Brussels TEL: +32(0)70 245 245

Netherlands: National Poisoning Information Center - Bilthoven TEL: +31(0)30 274 8888
(Only for the purpose of informing medical personnel in cases of acute intoxications)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture**
CLP Regulation (EC) n° 1272/2008: This product is not classified according to the CLP regulation.
- 2.2 **Label elements**
None
- 2.3 **Other hazards**
None

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Ingredients

Identification	Chemical name / Classification		Concentration
CAS: 112-27-6 EC: 203-953-2 Index: REACH:	2,2'-(ethylenedioxy)diethanol	Not classified	Unknown
	Regulation 1272/2008	-	
CAS: 57-55-6 EC: 200-338-0 Index: REACH:	Propane-1,2-diol	Self-classified	Unknown
	Regulation 1272/2008	-	
CAS: 25265-71-8 EC: 246-770-3 Index: REACH:	Oxydiopropanol	Self-classified	Unknown
	Regulation 1272/2008	-	
CAS: 56-81-5 EC: 200-289-5 Index: REACH:	Glycerol	Self-classified	Unknown
	Regulation 1272/2008	-	
CAS: 7732-18-5 EC: 231-791-2 Index: REACH:	Distilled water	Self-classified	Unknown
	Regulation 1272/2008	-	

3.2 Mixture

Chemical characterization

Mixture of higher polyalcohols, AQUA BIDEEST

Hazardous ingredients

None

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

In all cases, after cleaning, medical advice should be consulted as quickly as possible with the MSDS. No other special measures required.

Inhalation

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Consult medical advice if the symptoms get worse or persist.

Skin contact

In case of contact it is recommended to remove contaminated clothing and clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), consult medical advice with the MSDS.

Eye contact

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. Consult medical advice with the MSDS.

Ingestion

In case of consumption, rinse out mouth and then drink plenty of water. Consult medical advice if the symptoms get worse or persist.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing methods

Suitable extinguishing methods

Use firefighting measures that suit the environment. Cool down containers exposed to fire by spraying them with water.

Unsuitable extinguishing media

None.

Advice for firefighters

None.

Particular risks:

Do not inhale or combustion gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See section 8.

6.2 Environmental precautions

Avoid spillage into an aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into an aqueous medium notify the relevant authority.

- 6.3 Methods and material for containment and cleaning up**
It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.
- 6.4 Reference to other sections**
Refer to Section 13 for disposal of product and contaminated materials.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities

Technical measures for storage

There are no specific technical measures for storage.

General conditions for storage

Observe all local and national regulations for storage of water polluting products. Avoid sources of heat, radiation, static electricity and contact with food.

7.3 Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

There is no control of exposure or personal protection required to use this product. Remove contaminated clothing. Wash hands after work. Do not eat, drink or smoke during work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state at 20 °C:	Liquid
Appearance:	Clear, colourless
Odor:	Odourless
Boiling point:	> 100°C
Flashing point:	Not available
pH:	6 – 8
Density at 20°C:	1,02 g/cm ³
Water solubility:	Completely miscible
Viscosity:	Low
Auto ignition temperature:	None

SECTION 10: STABILITY AND REACTIVITY

10.1 Packaging

Plastic containers.

10.2 Dangerous reactions

No dangerous reactions known.

10.3 Chemical stability

No decomposition if used according to specifications.

10.4 Incompatible materials

Strong oxidizing agents and alkaline materials

SECTION 11: TOXICOLOGICAL INFORMATION

The product is not classified as toxic.

SECTION 12: ECOLOGICAL INFORMATION

The product is not classified as harmful to the environment.
In accordance with OECD 301E / EEC 84/449 C3 biodegradable.

Water hazard class 1: slightly hazardous for water

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation:	Disposal must be made according to official regulations.
European waste catalogue:	Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

13.2 Uncleaned packaging

Recommendations:

Recommended cleaning:

Disposal must be made according to official regulations.

Water, if necessary with cleaning agent.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA, ICAO).

SECTION 15: REGULATORY INFORMATION

Labelling according to Regulation (EC) No 1272/2008

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand

Additional safety requirements:

- The product has to be deployed appropriately in its as delivered condition.
- The event site regulations as well as the corresponding legislation must be adhered to. Considering the range of vision and the desired effect, the smoke fluid can be dispensed into the air in measurements between 25 and a maximum of 80 mg/m³.
- It is particularly important to measure out the smoke fluid so as to ensure that all exits and emergency exits are still visible. This also goes for the illumination of escape routes, their markings, stairs, shafts, edges, etc.
- A range of vision of 25 m (maximum distance from the nearest exit according to event site regulations) must be maintained.
- Measure out the thickness of the smoke in the air so that the well-being of the people in the room can be guaranteed.
- In order to avoid anxiety, the room where the smoke is being used should never be sealed. According to event site regulations, the operation and maintenance of technical equipment should only be dealt with by experienced and reliable adults.
- Every room where there is smoke must be supervised by trained personnel. Never drink or inhale the liquid and never apply it to your body.

- Keep out of the reach of children and store it in a place they cannot reach.

The information contained in this MSDS is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.