

SAFETY DATA SHEET

CONFIRMS TO REGULATION 1907/2006/EC (REACH) incl 2020/878/EU
Version: 2.1

NAME: ECO2JET FLUID

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
MFX3093 - MAGICFX® ECO2JET Outdoor Fluid 1000L
MFX3094 - MAGICFX® ECO2JET Indoor Fluid 1000L
MFX3095 - MAGICFX® ECO2JET Outdoor Fluid 200L
MFX3096 - MAGICFX® ECO2JET Indoor Fluid 200L

Registration number:

Not applicable

UFI code:

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 (24/7):

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

Netherlands: National Poisoning Information Center - (UMC Utrecht)

TEL: +31(0)88 755 8000

(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 the CLP regulation.
- 2.2 **Label elements**
None
- 2.3 **Other hazards**
Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

Endocrine disrupting properties

This mixture does not contain substances identified as having endocrine-disrupting properties according to Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Ingredients

Identification	Chemical name / Classification		Concentration
CAS: 57-55-6 EC: 200-338-0 Index: REACH:	Propane-1,2-diol	Self-classified	50...70 vol%
	Regulation 1272/2008 -		
CAS: 25265-71-8 EC: 246-770-3 Index: REACH:	Oxydipropanol	Self-classified	< 5 vol%
	Regulation 1272/2008 -		
CAS: 56-81-5 EC: 200-289-5 Index: REACH:	Glycerol	Self-classified	< 5 vol%
	Regulation 1272/2008 -		
CAS: 7732-18-5 EC: 231-791-2 Index: REACH:	Distilled water	Self-classified	30...50 vol%
	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.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO) and Carbon dioxide (CO₂)

5.3 Particular risks:

Do not inhale 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

Appearance

Physical state at 20°C:

Liquid

Colour:

Clear, colourless

Odour:

Odourless

pH:

6 – 8

Change in condition

Melting / Freezing point:

Not available

Boiling point:

> 100°C

Flash point:

Not available

Evaporation rate:

Not available

Flammability:

Not applicable

Vapour pressure:

1500...1900 Pa

Vapour density:

Not available

Density at 20°C:

1,02 g/cm³

Water solubility:

Completely miscible

Partition coefficient n-octanol/water (log Kow):

Hydrophilic substance
(low potential for bioaccumulation)

Auto ignition temperature:

Not applicable

Decomposition temperature:

Not applicable

Viscosity at 20°C:

5... 20 mPa.s

Explosive properties:

Not applicable

Oxidising properties:

Not applicable

9.2 Other information

No further information is available about physical dangers or other safety hazards

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

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The product is not classified as toxic.

Acute toxicity:	The product has not been tested on animals.
Skin corrosion/irritation:	Not classified. No skin irritating effects known.
Serious eye damage/eye irritation:	Not classified. No eye irritating effects known.
Respiratory or skin sensitisation:	Not classified. No sensitising effects known.
Germ cell mutagenicity:	Not classified.
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

Endocrine disrupting properties: This mixture does not contain substances identified as having endocrine-disrupting properties according to Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.

Other information: No additional toxicological effects known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No further relevant information available
Persistence and degradability: The product is not classified as harmful to the environment
In accordance with OECD 301E / EEC 84/449 C3 biodegradable.

12.2 Behaviour in environmental systems

Unknown

12.3 Bioaccumulative potential

No

12.4 Mobility in soil

No further relevant information available

12.5 Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

12.6 Endocrine disrupting properties

No

12.7 Other adverse effects

Water hazard class 1: slightly hazardous for water
No further information available

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: Disposal must be made according to official regulations.
Recommended cleaning: 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

This Safety Data Sheet has been prepared in accordance with Annex II of Regulation (EC) No. 1907/2006 (REACH) as amended by Commission Regulation (EU) 2020/878.

EU Regulations:

- Regulation (EC) No. 1272/2008 (CLP Regulation) on classification, labelling and packaging of substances and mixtures.
- Regulation (EC) No. 1907/2006 (REACH) concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- Regulation (EU) No. 2020/878 amending Annex II of REACH (requirements for the compilation of safety data sheets).
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals (not applicable).
- Regulation (EU) No. 2019/1021 on persistent organic pollutants (not applicable).

Chemical safety assessment:

A chemical safety assessment has not been carried out for this mixture, as it is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).

SECTION 16: OTHER INFORMATION

Revision history:

Version	Date	Description of changes
1.0	03.11.2023	Initial release
2.0	17.10.2025	Updated to comply with Regulation (EU) 2020/878
2.1	29.12.2025	Clarified endocrine disrupting properties (Sections 2, 11, 12)

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.