

MAGICFX Flame Fluid

Yellow



Xi Irritant



(F+) Highly flammable

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Responsible for distribution:

Magic FX BV
Schouwrooij 27
NL-5281 RE Boxtel
THE NETHERLANDS
TEL: +31(0)411-635013
FAX: +31(0)411-635012
Email: info@magicfx.eu

In case of emergency:

The Netherlands:
TEL: 030 / 274 88 88
National Poisoning Information Center – Bilthoven

Identification of the product

* - Type of product : Complex substance .
- Use of product : Several industrial applications (Solvent , ...).
Company identification : See heading of Material Safety Data Sheet.
Emergency phone number : See heading of Material Safety Data Sheet.

2. HAZARD IDENTIFICATION

Highly flammable (F) :R11 - Highly flammable.
Irritant (Xi) :R36 - Irritating to eyes.
Other :R67 - Vapours may cause drowsiness and dizziness.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name component(s)	Weight %	CAS nr / EC nr / EC annex nr	Symbol(s)	R-Phrase(s)
Isopropyl alcohol	: >60 %	67-63-0 / 200-661-7 / 603-117-00-0F	Xi	11-36-67
Limit value (Belgium)		:400 ppm (997 mg/m³) (2007)		
Short time value (Belgium)		:500 ppm (1248 mg/m³) (2007)		
n-Pentane	: <10 %	109-66-0 / 203-692-4 / 601-006-00-1	F+, Xn, N	12-51/53-65-66-67
Limit value (Belgium)		:600 ppm (1800 mg/m³) (2007)		
Short time value (Belgium)		:750 ppm (2250 mg/m³) (2007)		
MAC-value (TWA 8 h) (The Netherlands)		:600 ppm (1800 mg/m³) (2007)		

The full text of the R-phrases is in chapter 16.

(D) The mention "D" means that the absorption of the agent by skin, mucous membranes or eyes constitutes an important part of the total exposition. This absorption can be the consequence of direct contact as well as his presence in the air.

(H) The addition of an "H" indicates that the substance is relative easily absorbed by the skin.

4. FIRST AID MEASURES

General : In case of doubt or persistent symptoms, call a physician.
Never give anything by mouth to an unconscious person.

First Aid Measures

- Inhalation : Remove victim into fresh air.
Allow the affected person to rest.
If not breathing, give artificial respiration.
Consult a doctor.

- Skin Contact : Remove contaminated clothing.
Rinse skin immediately with plenty of water. (shower if necessary).
Consult doctor if irritation develops.

- Eye Contact : Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.
Remove contact lenses.
Consult eye doctor.

- Ingestion : Do not use a neutralisation agent.
DO NOT INDUCE VOMITING. Rinse mouth with water.
Seek medical advice.

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5. FIRE-FIGHTING MEASURES
Extinguishing Media

- Suitable

: Alcohol resistant foam , Powder , Carbon dioxide , Water spray .

Special Procedures

: Apply water spray or fog to cool nearby equipment. Avoid fire-fighting water to enter environment.

Special Exposure Hazards

: Fire may liberate carbon oxides (CO) and smoke.

Special Protective Equipment for Firefighters

: Use self-contained breathing apparatus when in close proximity to fire.

6. ACCIDENTAL RELEASE MEASURES
Personal Precautions

: Eliminate every possible source of ignition (open fire, sparks, smoking, ...).
Evacuate all personnel immediately and ventilate area.
Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See chapter 8).

Environmental Precautions

: Shut off leaks if without risks.
Dike in the spilled product as much as possible with inert material.
Prevent entry of product in public water, sewers or soil.
Notify authorities if product enters sewers or public waters.

*** Methods for Cleaning Up**

: Collect the spillage in closable, suitable disposal containers.
Clean up any spills as soon as possible, using an inert absorbent material.
For the removal of the waste product, see chapter 13.
Residue is to be washed down with plenty of water.
Drain off rinsing water into sewers.

7. HANDLING AND STORAGE
Handling

: Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See chapter 8).

Protection against Fire and Explosion

: Eliminate every possible source of ignition (open fire, sparks, smoking, ...).
With a temperature equal to or higher than the flash point, the mixture steam-air may create a highly flammable and explosive mixture.
Do not use compressed air to either agitate or transfer contents of storage containers (tanks) / shipping drums containing this material.
Always use explosionproof electrical equipment.
Use spark-arm implement.

Storage

: Keep only in the original, safely locked container in a cool, well ventilated and fireproof place.
Store away from all heat sources, including direct sunlight.
Keep away from : Oxidizing agents

8. MEASURES EXPOSURE CONTROL / PERSONAL PROTECTION
Engineering Measures

: Ventilate area.

Industrial Hygiene

: When using, do not eat, drink or smoke.
Emergency eye wash fountains and showers should be available in the immediate vicinity of any potential exposure.

Occupational Exposure Limits

: For components: see chapter 3.

Personal Protection Equipment

- Respiratory Protection

: Ventilation , Local exhaust .
CE-Approved organic vapour and solvent respirator (Type A, brown).

- Hand Protection

: Gloves (Butyl rubber , Neoprene ,...)

- Eye Protection

: Closed safety glasses or face shield.

- Skin and Body Protection

: Suitable protective clothing .

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State (20°C)	: Liquid .
Form/Colour	: Colourless .
Odour	: Characteristic odour .
pH value	: Not applicable.
Boiling Point/Range (1013 hPa)	: 82 - 83 °C
Congelating/Melting point	: -90 °C
Flash point	: 12 °C
Fire hazard	: P1
Auto-ignition temperature	: > 350 °C
Explosion limits in air	: 2,0 - 12 vol. %
Vapour pressure (20°C)	: 43 mbar
Relative vapour density (air=1)	: 2,1
Solubility in water	: Complete solubility.
Soluble in	: Alcohol, Ether, ...
Log P Octanol/Water (20°C)	: -0,16 to 0,35
Relative density (water=1)	: app. 0,8
Viscosity	: 2,50 mm ² /s (25°C.)
Evaporation rate	: 11 (Ether = 1)
% Volatiles (by weight)	: 100

10. STABILITY AND REACTIVITY

Stability	: Stable at normal circumstances.
Conditions to avoid	: High temperatures .
Materials to avoid	: Oxidizing agents, Oleum , Phosgene , Aluminium , Crotonaldehyde.
Hazardous Decomposition Products	: Fire may liberate carbon oxides (CO) and smoke.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
- Inhalation	: May cause irritation of respiratory tract. Exposure to high concentrations may cause lowering of consciousness. Symptoms include: Cough , Headache , Drowsiness , Dizziness . : For components: : • Isopropyl alcohol : LC50 (Rat, inhalation, 4 h) : > 20 mg/l : • n-Pentaa : LC50 (Rat, inhalation, 2 u) : 295 mg/l
- Skin contact	: May be irritating for the skin. Symptoms include: Redness, Pain. : For components: : • Isopropyl alcohol : LD50 (Rabbit, dermal) : > 5000 mg/kg : • n-Pentaa : LD50 (Rabbit, dermal) : 3000 mg/kg
- Eye contact	: May be irritating to eyes. Symptoms include: Redness , Pain, Bad vision.
- Ingestion	: After swallowing, some drops of liquid can enter the lungs (aspiration), which may cause pneumonia. Symptoms include: Nausea , Abdominal pain , Vomiting , See "Inhalation" : For components: : • Isopropyl alcohol : LD50 (Rat, oral) : > 5000 mg/kg : • n-Pentaa : LD50 (Rat, oral) : 5000 mg/kg
Other toxicological information	: Alcohol will intensify the harmful action. Information on the webadres http://ecb.jrc.it/ESIS (see IUCLID Data Sheets).

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12. ECOLOGICAL INFORMATION

This product is classified as a Volatile Organic Component according to Directive 1999/13/EC.

Mobility : Product completely soluble in water.
Persistence and degradability : Ethanol : Easily biologically degradable. (BOD = 5, COD > 0,5)

Bioaccumulation : Bioaccumulation not expected .
Ecotoxicity : For components:
: • Isopropyl alcohol : LC50 (Fish, 96 h) : 4200 - 9640 mg/l
: • Isopropyl alcohol : EC50 (Daphnia magna, 24 h) : > 10000 mg/l
: • n-Pentane : EC50 (Daphnia magna, 48 u) : = 9,74 mg/l

Other ecological information : For components:
: Information on the webaddress <http://ecb.jrc.it/ESIS> (see IUCLID Data Sheets).

WGK class (Germany) : 1 (Weak water pollutant).

Water damaging (The Netherlands) : 11
Decontamination exertion : B
(The Netherlands)

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products : The product has to be destroyed according to national or local legislation, by a company specialised in handling hazardous waste products.

Removal contaminated packaging : Packing is to be used exclusively for the packing of this product.
After use, empty and close the packing very carefully.
In case of returned packing, the empty packing can be offered back to the supplier.

European list of waste products : 070104 - Other organic solvents, washing liquids and mother liquors.
European waste product code: ' XX XX XX '. This code is assigned on the basis of the most current applications and can not be representative for pollutions which are arisen at the effective use of the product. The producer of the waste has to evaluate its process himself and has to grant the appropriate waste coding. See directive 2001/118/EC.

14. TRANSPORT INFORMATION

Land (Road/Railroad, ADR/RID)
- ADR Name : UN 1986 Alcohols flammable, toxic n.o.s. (Isopropylalcohol, N-pentanes)
- ADR Division : 3
- Packaging Group : II
- Hazard Label(s) : 3
- Danger number : 33
- Substance Ident. Number (UN-n°) : 1986

Sea Transport (IMDG)
- Product Name : UN 1986 Alcohols flammable, Toxic n.o.s. (Isopropylalcohol, N-pentanes)
- Class : 3
- Hazard Label(s) : 3
- UN Number : 1986
- Packaging Group : II
- EmS-N° : F-E, S-D
- Marine pollutant : NO

MAGICFX Flame Fluid**Yellow****15. REGULATORY INFORMATION**

Name dangerous component(s) : Ethanol

Symbol(s) :



F+ Highly flammable



Xi Irritant

R-Phrases : R12 - Highly flammable.
R36 - Irritating to eyes.
R67 - Vapours may cause drowsiness and dizziness.

S-Phrases : S07 - Keep container tightly closed.
S16 - Keep away from sources of ignition - No smoking.
S24/25 - Avoid contact with skin and eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

X-Phrases (The Netherlands) : X01 - Reserved for industrial and professional use.

16. OTHER INFORMATION

This safety data sheet has been drawn up in accordance with the EC Regulation n° 1907/2006.

This safety data sheet is exclusively made for industrial/professional use.

Classification and labelling in accordance with the Directive 1999/45/EC.

* Has changed compared to previous revision.

Sources of used key data : The information contained herein is based on the present state of our knowledge (Producer(s) , Chemical cards , ...).

* Changes : Change of product name .
R-phrases : R12 - Highly flammable.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R36 - Irritating to eyes.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.

This information is to our knowledge correct and complete on the date of issue of this safety data sheet. The information only concerns the product and does not give any guarantee for the quality and the completeness of the properties of the product, or in case of mixing or using in any other process. It remains the responsibility of the user to assure himself that the information is suitable and complete concerning the special use he makes of the product.

Magic FX BV denies all responsibility for loss or damage resulting from the use of these data.

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