

MATERIAL SAFETY DATA SHEET

CONFIRMS TO REGULATION 453/2010/EU
Version: 1.0

NAME: STAGE FLAME SPRAY CAN 400ML

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

1.1 Product identifier

Trade Name: MFX1205 – STAGE FLAME SPRAY CAN 400ML

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

Relevant identified use: Fire spray can. For professional use only.

Uses advised against: Please consult manufacturer.

1.3 Details of the supplier of the material safety data sheet

Company identification:

Company: Magic FX B.V.

Address: Schouwrooij 27
NL-5281 RE Boxtel

Tel: +31 (0)411-748100

E-mail: info@magicfx.eu

Web: www.magicfx.eu

1.4 In case of emergency (ICE)

Telephone: +31 (0)6 5130 3858

Only for the purpose of informing medical personnel in cases of acute intoxications:

National Poisoning Information Center (NL) - Bilthoven: Tel: +31(0)30 274 8888

Belgium Anti Poison Center - Brussels: Tel: +32(0)70 245 245

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Regulation (EC) n° 1272/2008: Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Flammable gas, cat. 1: Danger, Flam. Gas. 1, H220
 Flammable liquid, cat. 1, pressurized gas: Danger, Flam. Liq. 1, Press. Gas, H280

2.2 Label elements

According to CLP Regulation (EC) n° 1272/2008

Hazard pictograms:



Signal word: Danger

2.3 Hazard statements

H222-H229: Extremely flammable aerosol. Pressurized container: May burst if heated.

2.4 (Precautionary) Measures

P101: If medical advice is needed, have product container or label at hand.
 P102: Keep out of reach of children.
 P103: Read label before use.
 P260: Do not breathe spray.
 P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P251: Pressurized container: Do not pierce or burn, even after use.
 P211: Do not spray on an open flame or other ignition source.
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501: Dispose of contents/container in accordance with local regulations.

2.5 Other hazards

Results of the PBT and vPvB assessment:

PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Ingredients

Identification		Chemical name / Classification		Concentration
CAS:	74-98-6	Propane	ATP CLP00	25-<50%
EC:	200-827-9	Regulation 1272/2008	Flam. Gas 1: H220 Flam. Liq. 1, Press. Gas, H280	
Index:	601-003-00-5			
REACH:	01-2119486944-22-xxxx			
CAS:	106-97-8	Butane	ATP CLP00	25-<50%
EC:	203-448-7	Regulation 1272/2008	Flam. Gas 1: H220 Flam. Liq. 1, Press. Gas, H280	
Index:	601-004-00-0			
REACH:	01-2119474691-32-xxxx			
CAS:	75-28-5	Isobutane	ATP CLP00	15-<30%
EC:	200-857-2	Regulation 1272/2008	Flam. Gas 1: H220 Flam. Liq. 1, Press. Gas, H280	
Index:	601-004-00-0			
REACH:	01-2119485395-27-xxxx			

The full text of the H-phrases and (EU)H-statements is in section 16.

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.

Inhalation

Generally the product does not irritate the skin.

Skin contact

Remove contaminated clothing. Rinse skin immediately with plenty of water. (shower if necessary).

Eye contact

Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.

Ingestion

Drink plenty of water and provide fresh air.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice doctors should contact the NVCI or the Belgian Poison center.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing methods

Suitable extinguishing methods

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

Heavy water stream.

5.2 Advice for firefighters

Special protective equipment for: Use self-contained breathing apparatus and wear protective clothes when in close proximity to fire.

Special procedures:

Apply water spray or fog to cool nearby equipment. Avoid extinguishing water to enter environment.

5.3 Particular risks

Fire may liberate carbon oxides (CO) and smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Eliminate every possible source of ignition (open fire, sparks, smoking, ...).

6.2 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.

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation.

6.4 Reference to other sections

For information on safe handling, see section 7

For personal protection, see section 8.

For disposal of product and contaminated materials, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing vapour and contact with skin, eyes and clothing. 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.

7.2 Technical recommendations for the prevention of fires and explosions

Remove all heat sources (open fire, sparks, smoking, ...), the mixture vapour/air may create a highly flammable and explosive mixture. Do not use compressed air to either agitate or transfer contents of storage containers. Always use explosion proof and spark-arm electrical equipment.

Pressure container:

Protect from sunlight and do not expose to temperatures exceeding 50 °C, electric lights for example. Do not pierce or burn, even after use.

7.3 Conditions for safe storage, including any incompatibilities

Store only in the original, safely locked container in a cool, well ventilated and fireproof place. Store away from all heat sources, including direct sunlight. Observe official regulations on storing packagings with pressurized containers.

General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food.

7.4 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

8.1 Occupational exposure limits

For harmful components:

Butane:	WEL:	Short-term value:	750 ppm (1810 mg/m ³)
		Long-term value:	600 ppm (1450 mg/m ³)
		Carc	(if more than 0.1% of buta-1.3-diene)

8.2 Exposure controls

General information

Wash hands before breaks and at the end of work. Do not inhale gases/fumes/aerosols.

Personal protection equipment

Respiratory protection: Not required.

Skin protection: Not required.

Hand protection : Not required.

Eye/face protection: Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Aerosol
Form/colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	Not determined
Melting point/range:	Not determined
Boiling point/range:	Not applicable, as aerosol
Flash point:	<0 °C (<32 °F), not applicable, as aerosol
Flammability:	Not applicable
Evaporation rate:	Not applicable
Explosion limits in air:	1,5 – 10,9 vol. %
Vapour pressure (20 °C):	3500 hPa (2625 mm Hg)
Density (20 °C):	0,54 g/cm ³ (4.506 lbs/gal)
Solubility in water:	Not miscible or difficult to mix
Log P octanol/water:	Not determined
Auto-ignition temperature:	365 °C (689 °F)
Decomposition temperature:	Not determined
Viscosity (20 °C):	Not determined
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not applicable

10.2 Chemical stability

Stable at normal circumstances.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

- 10.5 **Incompatible materials**
No further relevant information available.
- 10.6 **Hazardous decomposition products**
No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity**
- Inhalation**
Butane: LC50 (Rat, inhalation, 4 h): 658000 mg/m³
- 11.2 **Skin corrosion/irritation**
Not irritating for the skin.
- 11.3 **Serious eye damage/irritation**
Not irritating for the eye.
- 11.4 **Aspiration hazard**
Not considered hazardous.
- 11.5 **Respiratory or skin sensitization**
Not sensitive.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 **Toxicity**
No relevant information available.
- 12.2 **Persistence and degradability**
No relevant information available.
- 12.3 **Bioaccumulative potential**
No relevant information available.
- 12.4 **Mobility**
No relevant information available.
- 12.5 **Results of PBT and vPvB assessment**
Not applicable.
- 12.6. **Other adverse effects**
No relevant information available.

SECTION 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.

European list of waste products

20 01 13 solvents

15 01 04 metallic packaging

Uncleaned packaging:

Recommendation: Non contaminated packagings may be recycled.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-number

UN 1950

14.2 UN proper shipping name

ADR name:

UN 1950 Aerosols

ADN name:

UN 1950 Aerosols

IMDG name:

UN 1950 Aerosols, flammable

14.3 Transport hazard class(es)

ADR: 2.5F Gases

IMDG, IATA: 2.1

14.4 Packing group

Packaging group: II

14.5 Environmental hazards

Environmentally hazard: No

Marine pollutant: No

14.6 Special precautions for user

Danger number: -

Hazard label(s): 2.1



EmS-Nº: F-D, S-U

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

Type ship: No data available.

Pollution category: No data available.

14.8 Additional transport information**ADR**

Limited quantities (LQ): 1L
Excepted quantities (EQ): E0, not permitted as excepted quantity
Transport category: 2
Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L
Excepted quantities (EQ): E0, not permitted as excepted quantity

UN "Model Regulation": UN1950, aerosols, 2.1

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance(s) that make up this material or for the material itself.

SECTION 16: OTHER INFORMATION

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.
CO:	Carbon monoxide.
DNEL:	Derived No Effect Level, an estimated safe exposure level.
EmS:	Emergency Schedule, the first code refers to the relevant fire schedule and the second code refers to the relevant spillage schedule.
IMDG:	International Maritime Dangerous Goods code.
NVCI:	National Poisoning Information Center.
PBT:	Persistent, Bioaccumulative and Toxic.
PNEC:	Predicted No Effect Concentration, concentration below which exposure to a substance is not expected to cause adverse effects.
REACH:	Registration, Evaluation, Authorisation and restriction of Chemicals.
SZW-list:	List of carcinogenic substances and processes as referred to in Article 4.11 of the working conditions decree (a).
SZW-list:	Non-limitative list of reproduction toxic substances to which the additional registration obligation applies as referred to in Article 4.2a, second paragraph of the Working conditions decree (b).
TWA:	Time-Weighted Average, the average exposure over a specified period.
vPvB:	Very Persistent and Very Bioaccumulative.
WGK:	Wassergefährdungsklasse, a German classification of substances that indicate the environmental hazard for surface water.
ACGIH:	American Conference of Governmental Industrial Hygienists
M-Factor:	A multiplying factor that is applied to the concentration of a substance classified as hazardous to the aquatic environment (Aquatic Acute 1; H400 or Aquatic Chronic 1; H410) and is used to derive by the summation method the classification of a mixture in which the substance is present.
NFPA:	National Fire Protection Association or fire diamant.
NOEC:	No Observed Effect Concentration.
NOx:	Nitrogen oxides.
NVCI:	National Poisoning Information Center.
OECD:	Organisation for Economic Cooperation and Development.
LEL:	Low Explosive Limit.

(EU)H-statement(s):

H220:	Extremely flammable gas.
H280:	Contains gas under pressure; may explode if heated.

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.