

MATERIAL SAFETY DATA SHEET

According to EC-Regulation 1907/2006 (REACH), annex II,
including changes implemented by EC-Regulation 2020/878

Version: 2.0

NAME: PRO BUBBLE FLUID

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

1.1 Product identifier

Trade Name: MFX3001 - MAGICFX® Pro Bubble Fluid – Ready to use 5L
MFX3003 - MAGICFX® Pro Bubble Fluid – Ready to use 20L

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

Relevant identified use: Soap bubbles. For professional use only.
Uses advised against: Please consult manufacturer.

The hazard and safety information refers to the professional handling of the product and not to the occasional use of the general user in kindergarten, school or leisure time.

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
Telephone: +31 (0)411-748100
E-mail: info@magicfx.eu
Web: www.magicfx.eu

1.4 In case of emergency (ICE)

During office hours – MAGIC FX:

Tel: +31 (0)411 74 81 00

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: Not classified
- 2.2 **Label elements**
None
- 2.3 **Hazard statements**
None
- 2.4 **Additional warnings**
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Ingredients

Identification		Chemical name / Classification		Concentration
CAS:	52-52-7	bronopol (INN);2-bromo-2-nitropropane-1,3-diol		< 0.05%
EC:	200-143-0	Regulation 1272/2008	Acute toxicity, Irritating, Aquatic Acute 1	
Index:	603-085-00-8			
REACH:	01-2119980938-15-XXXX			

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

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.

Intoxication

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, consult medical attention for direct exposure to the chemical product or persistent discomfort. Never give an unconscious person water or other drink.

Inhalation

There are no special measures required.

Skin contact

Product is not classified skin irritant. Flush with water.

Eye contact

Remove contact lenses. Rinse open eyes immediately and long enough with plenty of water. For persistent symptoms, consult an oculist.

Ingestion

If swallowed do not induce vomiting. If possible give defoaming pharmaceutical against flatulences, e.g. Lefax®, Espumisan®, etc. Immediately wash out mouth thoroughly with water and rinse water back out. In case of vomit keep the head in deep position to prevent aspiration of vomit.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing methods

Suitable extinguishing methods

Not applicable; product is non-flammable.

Unsuitable extinguishing media

Not applicable; product is non-flammable.

5.2 Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3 Advice for firefighters

Avoid strong water jet – severe foaming. The product itself does not burn.

Adapt firefighting measures on surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 General information

Might cause slipperiness.

6.2 Personal precautions, protective equipment and emergency procedures

See section 7/8.

6.3 Environmental precautions

Prevent that a large quantity of product enters drains/surface, water/ground-water or soil/subsoil.

6.4 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

- 6.5 **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**
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
Keep away from heat and direct sunlight and frost. Store in a cool and dark place to ensure the product quality. Keep container tightly closed.
- Storage class 12 (Non-combustible liquids).
TRGS 510 – Storage of hazardous substances in non-stationary containers.
- Joint storage is permitted for products in storage classes: 2A, 2B, 3, 4.1B, 4.2, 5.1A, 5.1B, 5.2, 6.1A, 6.1B, 6.1C, 6.1D, 8A, 8B, 10, 11, 12, 13
Restrictions apply to joint storage of products in storage classes: 4.1A, 4.3, 5.1C
Joint storage is NOT allowed for products in all other storage classes.
- Incompatible with strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
No substances are listed in the national list of substances with an occupational exposure limit.
- Information on monitoring procedures**
Not available.
- 8.2 **Exposure controls**
Apply general control to prevent unnecessary exposure
- General recommendations**
Smoking, drinking and consumption of food is not allowed in the work area.
- Exposure scenarios**
There are no exposure scenarios implemented for this product.
- Exposure limits**
Occupational exposure limits have not been defined for the substances in this product.
- Appropriate technical measures**
Apply standard precautions during use of the product. Avoid inhalation of vapours.
- Hygiene measures**
Wash hands after use.
- Measures to avoid environmental exposure**
No specific requirements.
- Individual protection measures, such as personal protective equipment**
- Generally**
Use only CE marked protective equipment.

Respiratory Equipment
No specific requirements

Skin protection
No specific requirements.

Hand protection
In case of permanent exposure over long periods of time, the use of 0.08 Latex gloves is advised.



Eye protection
In case of permanent exposure over long periods of time, the use of EN 166 approved safety glasses with side shields is advised.



Environmental exposure controls:
Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Colourless to slightly yellow, transparent viscous liquid
Odour:	Odourless, some samples of product-specific odour
Odour threshold:	Not determined
pH:	7.0 - 7.5
Density:	1 g/cm ³
Melting point/freezing point:	Not determined, due to composition: -4 to 0 °C.
Initial boiling point and range:	Not determined, due to composition: 100 to 102 °C.
Flammability (solid, gas):	Not applicable
Vapour pressure:	Not determined, due to composition: 23 hPa (water)
Vapour density:	Not determined
Relative density:	1,006 kg/l ± 0,005 kg/l at 25 °C
Solubility(ies):	Completely soluble
Partition coefficient: n-octanol/water:	No relevant or available data due to the nature of the product.
Decomposition temperature:	Not applicable
Viscosity:	Drainage time 30 to 31 s at 25 °C (DIN 53211 cup), viscosity may change due to storage conditions and storage time.
Explosive properties:	No relevant or available data due to the nature of the product.
Oxidising properties:	No relevant or available data due to the nature of the product.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 **Packaging**
Plastic containers.
- 10.2 **Dangerous reactions**
None.
- 10.3 **Dangerous decomposition product**
The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Species:	Rat, Fischer 344, male/female
Route of exposure:	Oral
Test:	LD50
Result:	200 mg/kgbw

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 402
Species:	Rat, Wistar, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kgbw

Skin corrosion/irritation

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 404
Species:	Rabbit, New Zealand White
Duration:	4 hours
Result:	Adverse effect observed (Irritating)

Serious eye damage/irritation

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Species:	Rabbit
Result:	Adverse effect observed (Causes serious eye damage)

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Long term effects**

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 203
Species:	Fish, <i>Lepomis macrochirus</i>
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	11 mg/L

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 202
Species:	Daphnia, <i>Daphnia magna</i>
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	1,4 mg/L

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 201
Species:	Algae, <i>Scenedesmus subspicatus</i>
Compartment:	Freshwater
Test:	EC50
Result:	0,026 mg/L

Product/substance	bronopol (INN);2-bromo-2-nitropropane-1,3-diol
Test method:	OECD 209
Species:	Bacteria
Test:	EC50
Result:	43 mg/L

12.2 Persistence and degradability

Based on available data, the classification criteria are not met.

12.3 Bioaccumulative potential

Based on available data, the classification criteria are not met.

- 12.4 **Mobility in soil**
No data available.
- 12.5 **Results of PBT and vPvB assessment**
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
- 12.6 **Endocrine disrupting properties**
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.
- 12.7 **Other adverse effects**
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 **Waste treatment methods**
Product is not covered by regulations on dangerous waste.
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
- EWC code
20 03 01 Mixed municipal waste
- 13.2 **Contaminated packing**
- EWC code
15 01 02 Plastic packaging

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Labelling according to EC directive: No labelling required. The classification has been assessed following the conventional method of Regulation (EC) No 1272/2008 (CLP).
- WGK classification:**
Water hazard class (Germany): WGK 1
- Sources:**
Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- 15.2 **Chemical Safety Assessment**
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H335, May cause respiratory irritation.

H400, Very toxic to aquatic life.

Abbreviations and acronyms:

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity – Repeated Exposure

STOT-SE = Specific Target Organ Toxicity – Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required under Article 32 of 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.