

**Safety data sheet according to Regulation (EC)
No. 1907/2006 (REACH), Article 31**

Version number: 1.1 / Creation date: 01.09.2021

Magic Scan Spray Plus

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

1.1. Product identifier

Magic Scan Spray Plus / Article number: #14901415
UFI-Code: 2YE8-3XVW-4C1P-1SSF

1.3. Details of the supplier of the safety data sheet

Company name: Baumann Dental GmbH
Street/P.O. Box: Im Hölderle 5
Post code, Place: D-75196 Remchingen
Internet: www.baumann-dental.de
@-mail: info@baumann-dental.de
Telephone: +49 (0) 7232 - 73218 - 0
Telefax: +49 (0) 7232 - 73218 - 99
Department responsible for information:
Telephone: +49 (0) 7232 - 73218 - 0
E-mail: info@baumann-dental.de

1.4. Emergency telephone number

Germany: +49(0)551-19240 (Poison Information Centre North, 24h in German and English)
Austria: +43(0)1-4064343 (Poison Information Centre, 24h)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Regulation (EC) No. 1272/2008

Classification within the meaning of Regulation (EC) No. 1272/2008



GHS02 Flame
Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



H319 Causes serious eye irritation.

GHS07
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:
The product is classified and labelled according to the CLP Regulation.
Hazard pictograms



GHS02
Signal word Hazard



GHS07
Signal word Hazard

Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

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Additional information: Keep out of reach of children.

Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Hazardous ingredients:

CAS: 75-28-5 EINECS: 200-857-2	Isobutane Flam. Gas 1, H220; Press. Gas, H280	50-100%
CAS: 64-17-5 EINECS: 200-578-6	Ethanol Flam. Liq. 2, H225	10-25%
CAS: 109-66-0 EINECS: 203-692-4	Pentane Flam. Liq. 2, H225; / Asp. Tox. 1, H304; Aquatic Chronic 2, H411; / STOT SE 3, H336	2.5-5%

Additional information: Wording of the listed hazard statements is given in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation: Provide fresh air, consult a doctor in case of complaints.

Following skin contact: In general, the product is not skin irritant.

In case of eye contact: Rinse eyes with running water for several minutes with the eyelid open.
If symptoms persist, consult a doctor.

If swallowed: If symptoms persist, consult a doctor

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

SECTION 5: FIREFIGHTING MEASURES

5.1. Suitable extinguishing media

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

Extinguishing media unsuitable for safety reasons:

Full water jet

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Special protective equipment: Do not inhale explosion and fire gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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6.2. Environmental measures

Do not allow to enter the sewage system/surface water/groundwater.
In case of penetration into waters or the sewage system, inform the competent authorities.

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 information on personal protective equipment, see Section 8.
For information on disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Handling: Precautions for safe handling

Protect from heat and direct sunlight.
Use only in well-ventilated areas.
Open and handle container with care.

Notes on fire and explosion protection:
Keep sources of ignition away - no smoking.
Take measures against electrostatic charging.

7.2. Conditions for safe storage, including any incompatibilities

Storage:
Requirements for storage rooms and containers:
Store in a cool place.
The official regulations for the storage of pressurised aerosol packaging must be observed.

Information on common storage:
Not required.

Further information on storage conditions:
Keep containers tightly closed.
Do not close the container gas-tight.
Store in cool and dry place in tightly closed containers.
Protect from heat and direct sunlight.

Storage class: 2B

7.3. Specific end use(s)

No further relevant information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information on the design of technical systems: no further information, see Section 7.

8.1. Components with limit values to be monitored at the workplace

75-28-5 Isobutane	
OEL	2400 mg/m ³ , 1000 ml/ m ³ 4(II); DFG
64-17-5 Ethanol	
OEL	Long-term value: 380 mg/m ³ , 200 ml/m ³ 4(II);DFG, Y
109-66-0 Pentane	
	Long-term value: 3000 mg/m ³ , 1000 ml/m ³ 2(II);DFG, EU, Y

8.2. Additional notes:

The lists valid at the time of preparation served as a basis

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8.3. Exposure controls

Personal protective equipment:	
General protection and hygiene measures:	Wash hands prior to breaks and at the end of work.
Respiratory protection:	Not required with good room ventilation.
Hand protection:	The glove material must be impermeable and resistant to the product / substance / preparation. Selection of the glove material taking into account breakthrough times, permeation rates and degradation.
Glove material:	The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Penetration time of the glove material:	The exact breakthrough time must be obtained from the manufacturer of the protective gloves and must be observed.

Gloves made of the following materials are suitable as splash protection:
nitrile rubber / butyl rubber / natural rubber (latex)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General notes:	
Form:	Aerosol
Colour:	Whitish
Odour:	Characteristic
Odour threshold:	Not determined.
pH value:	
Melting point/melting range:	Not determined.
Boiling point/boiling range:	-11°C
Flash point:	Not applicable as aerosol.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	460°C
Decomposition temperature:	Not determined.
Auto-ignition:	The product is not self-igniting.
Explosion hazard:	Not determined.
Explosive limits:	
Lower:	1.8 Vol % (isobutane)
Upper:	8.5 Vol % (isobutane)
Vapour pressure at 20°C:	3000 hPa
Density at 20°C:	Not determined
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not applicable.
Solubility in / miscibility with water:	Not miscible or hardly miscible
Distribution coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable. Not determined.
Kinematic:	Not applicable. Not determined.
Solvent content:	
VOC (EU)	90%
Solids content:	8.0%
Other information:	No further relevant information available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to avoid:
No decomposition if used as intended.

10.3. Possibility of hazardous reactions

No hazardous 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 hazardous decomposition products known.

SECTION 11: INFORMATION ON TOXICOLOGY

11.1. Information on toxicological effects Acute toxicity

Acute toxicity:

Classification-relevant LD/LC50 values:

CAS 64-17-5	Ethanol
Oral LD50	10470 mg / kg (rat), 6300 mg / kg (rabbit)
Dermal LD50	>2000 mg / kg (rabbit)
Inhalative LC50 / 4h	>20 mg / l (mouse)
Primary irritant effect	Based on the available data, the classification criteria are not met.
Corrosive/irritant effect on the skin:	Based on the available data, the classification criteria are not met.
Severe eye damage/irritation:	Based on the available data, the classification criteria are not met.
Sensitisation of the respiratory tract/skin:	Based on the available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and teratogenic)

Germ cell mutagenicity:	Based on the available data, the classification criteria are not met.
Carcinogenicity:	Based on the available data, the classification criteria are not met.
Reproduction toxicity:	Based on the available data, the classification criteria are not met.
Specific target organ toxicity for single exposure:	Based on the available data, the classification criteria are not met.
Specific target organ toxicity for repeated exposure:	Based on the available data, the classification criteria are not met.
Aspiration hazard:	Based on the available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

CAS 64-17-5 Ethanol

EC50	8400 mg/l (Leuciscus idus)
EC50 / 48 h	10000 mg/l (daphnia)
EC50 / 7 d	6500 mg/l (Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

The individual components are biodegradable.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Further ecological information:

General notes: Water hazard class 1 (self-classification): slightly hazardous to water

Do not allow to enter groundwater, waters or the sewage system undiluted or in larger amounts.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

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SECTION 13: DISPOSAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

CAS 64-17-5 Ethanol

EC50 8400 mg/l (Leuciscus idus)

EC50 / 48 h 10000 mg/l (daphnia)

EC50 / 7 d 6500 mg/l (Pseudokirchneriella subcapitata)

13.1. Waste treatment methods

Recommendation: Must not be disposed of together with household waste. Do not allow to enter the sewage system.

European Waste Directory

16 00 00 Waste not listed elsewhere in the directory.

16 05 00 Gases in pressure vessels and spent chemicals

16 05 04* Gases in pressure vessels containing dangerous substances (including halons)

Uncleaned packaging:

Recommendation: Disposal in accordance with official regulations.

HP 3: flammable.

HP 14: ecotoxic

SECTION 14: TRANSPORT REGULATIONS.

14.1. UN NUMBER

ADR, IMDG, IATA UN1950

14.2. UN proper shipping name

ADR 1950 PRESSURISED GAS PACKAGING

IMDG AEROSOLS

IATA AEROSOLS, flammable

14.3. Transport hazard classes



ADR

Class 2.5F Gases

Hazard label 2.1

IMDG, IATA



Class

2.1

Label

2.1

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14.4. Packing group

ADR, IMDG, IATA not applicable

14.5. Environmental hazards

Marine pollutant: No

14.6. Special precautions for user

Attention gases

Kemler number: -

EMS number: F-D,S-U

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

Not applicable.

Transport/further information:

ADR

Exempted quantities (EQ): E0

Limited quantity (LQ): 1L

Exempted quantities (EQ): Code: E0

Not approved in exempted quantities

Transport category: 2

Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L

Exempted quantities (EQ) Code: E0

Not permitted as Exempted Quantity

UN "Model Regulation": UN1950, PRESSURISED GAS PACKAGING, 2.1

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation GHS labelling elements
(EC) No. 1272/2008 /Guideline 2012/18/EU

Named hazardous substances - None of the constituents are contained.

ANNEX I:

Seveso category: P3a FLAMMABLE AEROSOLS

Threshold quantity (in tonnes) for use in lower classified operations 150 t

Threshold quantity (in tonnes) for use in higher classified operations 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of limitation: 3

National regulations:

Ordinance on Major Accidents: The quantity thresholds according to the Ordinance on Major Accidents must be observed.

Water hazard class: WGK2 (self-classification): significantly hazardous to water.

Other regulations, restrictions and prohibition ordinances:

15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

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SECTION 16: OTHER INFORMATION

The information is based on the current state of our knowledge,
however, it does not represent a guarantee of product characteristics and does not establish a contractual legal relationship.

Relevant phrases:

H222-H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and very Bioaccumulative
Flam. Gas 1:	Flammable gases - Category 1
Aerosol 1:	Aerosols - Category 1
Press. Gas C:	Gases under pressure - compressed gas
Flam. Liq. 2:	Flammable liquids - Category 2
STOT SE 3:	Specific target organ toxicity (single exposure) - Category 3
Asp. Tox. 1:	Aspiration hazard - Category 1
Aquatic Chronic 2:	Water pollution hazard - long-term water pollution hazard - Category 2
Aquatic Chronic 3:	Water pollution hazard - long-term water pollution hazard - Category 3