

**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 Basic****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Magic Scan Spray Basic / 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 Holderle 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  
Flam. Liq.1.1 H224 Extremely flammable liquid and vapour.

**2.2. Particular hazard statements for humans and environment**

The product is subject to labelling based on the calculation method of the "General Classification Guideline of the EU for Preparations" in the last amended version.  
Pressurised container. Protect from sunlight and temperatures exceeding 50°C.  
Do not open by force or burn, even after use.

**2.3. Other hazards**

The classification corresponds to the current EC lists, is however supplemented with information from the specialist literature and with company information.

**2.4. Label elements:**

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



GHS02

**2.5. Signal word**

hazard

## 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 Basic

#### 2.6. Hazard statements

Flam. Liq. 1.1      H224      Extremely flammable liquid and vapour.

#### 2.7. Precautionary statements

P210                      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261                      Avoid breathing dust/fume/gas/mist/vapours/spray  
P304 + P340            If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P403+P233             Store in a well-ventilated place. Keep containers tightly closed.  
P405                      Store locked up.  
P501                      Dispose of contents / container in accordance with local / national / international regulations.

#### 2.8. Additional information

Pressurised container. Protect from sunlight and temperatures exceeding 50°C.  
Do not open by force or burn, even after use. Do not spray into flames or red-hot objects. Keep away from sources of ignition - no smoking.  
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: 106-97-8 EINECS: 203-448-7	Butane / F+ R12 Flam. Gas 1, H220; Press. Gas, H280	50-100%
CAS: 74-98-6 EINECS: 200-827-9	Propane / F+ R12 Flam. Gas 1, H220; Press. Gas, H280	25-50%
CAS: 64-17-5 EINECS: 200-578-6	Ethanol / F R11 Flam. Liq. 2, H225	2.5-10%

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 swallowed: If symptoms persist, consult a doctor

#### 4.2. Information for the doctor:

Most important symptoms and effects, both acute and delayed  
No further relevant information available.

Indication of any immediate medical attention and special treatment needed  
Symptomatic treatment

## 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 Basic

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Suitable extinguishing media: CO<sub>2</sub>, 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. Information for firefighting, special protective equipment:

No special measures required.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

##### 6.2. Environmental measures

Do not allow to enter the sewage system/surface water/groundwater

##### 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. Precautions for safe handling

Open and handle container with care.

Protect from heat and direct sunlight.

Use only in well-ventilated areas.

Notes on fire and explosion protection:

Keep sources of ignition away - no smoking.

Take measures against electrostatic charging.

Pressurised container. Protect from sunlight and temperatures exceeding 50°C (e.g. due to light bulbs).

Do not open by force or burn, even after use.

Do not spray into flames or red-hot objects.

##### 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.

##### 7.3. 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: SC 2B

Specific end uses: No further relevant information available

**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 Basic**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

Technical systems: No further information, see Section 7.  
Parameter to be monitored

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

106-97-8 Butane:

OEL Long-term value: 2400 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>  
4(I);DFG

74-98-6 Propane:

OEL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>  
4(I);DFG

64-17-5 Ethanol:

OEL Long-term value: 380 mg/m<sup>3</sup>, 200 ml/m<sup>3</sup>  
2(II);DFG, Y

**8.2. Additional notes:**

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

**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.

Hand protection: The glove material must be impermeable and resistant to the product / substance / preparation.

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)

Eye protection: Tightly sealing safety goggles

**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 Basic**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

General notes:

Form:	Compressed liquefied gas
Colour:	Colourless
Odour:	Slight
Odour threshold:	Not determined.
pH value:	Not applicable.

**9.2. Change of state**

Melting point/melting range:	Not determined.
Boiling point/boiling range:	-48°C
Flash point:	-80°C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	365°C
Decomposition temperature:	Not determined.
Auto-ignition:	The product is not self-igniting.
Explosion hazard:	The product is not explosive, however, the formation of explosive vapour/air mixtures is possible.
Explosive limits:	
Lower:	1.5 Vol %
Upper:	10.9 Vol %
Vapour pressure at 20°C:	4200 hPa
Density at 20°C:	0.62 g/cm <sup>3</sup>
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 determined.
Kinematic:	Not determined.
Solvent content:	97%
VOC (EU)	
Solids content:	<5%
Other information:	No further relevant information available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

**10.2. Chemical stability**

Thermal decomposition / conditions to be avoided: No decomposition if used as intended.  
 Possibility of hazardous reactions: No hazardous reactions known.  
 Conditions to avoid: No further relevant information available.  
 Incompatible materials: No further relevant information available.  
 Hazardous decomposition products: No hazardous decomposition products known.

**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 Basic**

**SECTION 11: INFORMATION ON TOXICOLOGY**

**11.1. Information on toxicological effects**

Acute toxicity:

Classification-relevant LD/LC50 values:

106-97-8 Butane

Inhalative	LC50/4 h	658 mg/l (rat)
------------	----------	----------------

64-17-5 Ethanol

Oral	LD50	10470 mg/kg (rat) 6300 mg/kg (rabbit)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 20 mg/l (mouse)

**11.2. Primary irritant effect**

On the skin: No irritant effect.

In the eyes: No irritant effect.

Sensitisation: No sensitising effect known.

**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. Behaviour in environmental compartments**

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

**12.4. Further ecological information**

General notes:

Water hazard class: 1: slightly hazardous to water.

(self-classification): 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

**SECTION 13: DISPOSAL INFORMATION**

**13.1. Waste treatment methods**

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

**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 Basic**

**13.2. 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).

**13.3. Uncleaned packaging**

Recommendation: Disposal in accordance with official regulations.

**SECTION 14: TRANSPORT REGULATIONS.**

UN number: UN1993  
ADR, IMDG, IATA

UN proper shipping name  
ADR 1993 FLAMMABLE LIQUID SUBSTANCE, N.A.G. (BUTANE, PROPANE)  
IMDG, IATA FLAMMABLE LIQUID, N.O.S. (BUTANE, PROPANE)

Transport hazard classes  
ADR



Class 3 (F1) Flammable liquid substances  
Hazard label 3

IMDG, IATA



Class 3 Flammable liquid substances  
Label 3

Packing group  
ADR, IMDG, IATA I

Environmental hazards:  
Marine pollutant: No

Special precautions for user: Attention: Flammable liquid substances  
Kemler number: 33  
EMS number: F-E,S-E

Transport in bulk according to Annex II of the MARPOL Agreement 73/78 and according to the IBC Code: Not applicable.

Transport/further information:

ADR / IMDG

Exempted quantities (EQ): Code: E3  
Highest net quantity per inner package: 30 ml  
Highest net quantity per outer package: 300 ml

Limited quantity (LQ): 0  
Transport category: 1  
Tunnel restriction code: D/E

Comments Limited quantity: maximum 30 kg per transport package (carton), apply "diamond with black corners label" to the carton.

UN "Model Regulation": UN1993, FLAMMABLE LIQUID,  
N.A.G. (BUTANE, PROPANE), 3, I

## 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 Basic

#### SECTION 15: REGULATORY INFORMATION

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU

Named hazardous substances - ANNEX I: None of the constituents are contained.  
Seveso category: P5a FLAMMABLE LIQUIDS

Threshold quantity (in tonnes) for use in lower classified operations: 10 t  
Threshold quantity (in tonnes) for use in higher classified operations: 50 t

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

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II: None of the constituents are contained.

REGULATION (EU) 2019/1148:

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit concentration for a licence under Article 5(3))

None of the constituents are contained.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS:

None of the constituents are contained.

National regulations:

Technical instructions air: Class NK / Proportion: 100.0%

Water hazard class: WGK 1 (self-classification): slightly hazardous to water.

Other regulations, restrictions and prohibition ordinances

The product is subject to Annex 2 of the German Chemicals Prohibition Ordinance (ChemVerbotsV) - Requirements with regard to issue

##### 15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

#### 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:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H331	Toxic if inhaled.

Classification according to Regulation (EC) No. 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing the data sheet: Product Safety Department

Abbreviations and acronyms:

ADR:	Accord relatif au transport international 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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Gas 1A:	Flammable gases - Category 1A
Press. Gas (Comp.):	Gases under pressure - compressed gas
Flam. Liq. 1:	Flammable liquids - Category 1
Flam. Liq. 2:	Flammable liquids - Category 2
Acute Tox. 3:	Acute toxicity - Category 3