

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

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

1.1. Product identifier

Trade name: Cleaning spray / Article number #64000673

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

No further relevant information available.

Use of the substance / the mixture auxiliary agent in dentistry

1.3. Details of the supplier of the safety data sheet

Company name:	Baumann Dental GmbH	Telephone:	+49 (0) 7232 - 73218 - 0
Address:	Im Hölderle 5	Fax:	+49 (0) 7232 - 73218 - 99
	D-76196 Remchingen		
E-mail:	info@baumann-dental.de	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

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



GHS02 Flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container:
may burst if heated.



GHS07

Skin Irrit. 2

Eye Irrit. 2

STOT SE 3

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray**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 GHS07

Signal word: Hazard

Hazard-determining components for labelling:

Propan-2-ol

Hazard statements:

H222-H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P305+P351+	If in eyes: Rinse cautiously with water for several minutes.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

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.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Mixtures.

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

Mixtures: Hazardous ingredients:

CAS: 29387-86-8 EINECS: 249-598-7 Index no.: 603-402-00-8	Dowanol PnB ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-50%
CAS: 67-63-0 EINECS: 200-661-7 Index no.: 603-117-00-0	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index no.: 601-003-00-5	Propane ⚠ Flam. Gas 1, H220; Press. Gas, H280	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Index no.: 601-004-00-0	Butane ⚠ Flam. Gas 1, H220; Press. Gas, H280	2.5-10%

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

If inhaled:

In case of unconsciousness place and transport in a stable lateral position.

Following skin contact:

Wash off immediately with soap and water and rinse thoroughly.

Following eye contact:

Rinse eyes under running water for several minutes with the eyelid open.

If symptoms persist, consult a doctor.

If swallowed:

If symptoms persist, consult a doctor. Rinse mouth and drink copious amounts of water.

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

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

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: No special measures required.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

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

Ensure good ventilation/extraction at the workplace.

Open and handle container with care.

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.

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.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

8.1. Control parameters

Components with limit values to be monitored at the workplace:

67-63-0 Propan-2-ol

OEL Long-term value: 500 mg/m³, 200 ml/m³
2(II);DFG, Y

74-98-6 Propane

OEL Long-term value: 1800 mg/m³, 1000 ml/m³
4(II);DFG

106-97-8 Butane

OEL Long-term value: 2400 mg/m³, 1000 ml/m³

DNEL-VALUES 4(II);DFG
CAS: 67-63-0 Propan-2-ol

Dermal DNEL 888 mg / kg / bw / day
long term exposure-systemic effects

Inhalative DENEL 500 mg / m³
long term exposure-systemic effects

PNEC values CAS: 67-63-0 Propan-2-ol
PNEC-aqua 140.9 mg / l (fresh water)
140.9 mg / l (marine water)

PNEC sediment 552 mg / kg (fresh water)
552 mg / kg (marine water)

Soil 28 mg / kg

Components with biological limit values:

67-63-0 Propan-2-ol

BLV 25 mg/l
Sample material: Whole blood
Sampling time: End of exposure or shift
Parameter: Acetone
25 mg/l
Sample material: Urine
Sampling time: End of exposure or shift
Parameter: Acetone

8.2. Exposure controls

General protection and hygiene measures:

Keep away from food, drink and animal feed. Take off contaminated, soaked clothing immediately.

Wash hands prior to breaks and at the end of work. Do not inhale gases/vapours/aerosols.

Avoid contact with eyes and skin. Respiratory protection: Respiratory protection in case of insufficient ventilation.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

Personal protective equipment:

Hand protection:



Protective gloves:

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, fluorinated rubber (Viton)

Eye protection:



Tightly sealing safety goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General notes:

Appearance

Form: Aerosol
Colour: Colourless
Odour: Characteristic

Change of state

Melting point/melting range: Not determined.

Boiling point/boiling range: -44°C

Flash point: -97°C

Ignition temperature: 260°C

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: 1.1 Vol %

Upper: 12.0 Vol %

Vapour pressure at 20°C: 4000 hPa

Density at 20°C: 0.727 g/cm³

Solubility in / miscibility
with water: Partially miscible.

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content	
VOC (EU)	67%
Solids content:	0
Other information:	No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Thermal decomposition

10.2. Chemical stability

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: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Classification-relevant LD/LC50 values:

29387-86-8 Dowanol PnB:

Oral LD50 >3300 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rab)

67-63-0 Propan-2-ol:

Oral LD50 5045 mg/kg (rat)

Dermal LD50 12800 mg/kg (rabbit)

Inhalative LC50/4 h 30 mg/l (rat)

106-97-8 Butane:

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

Primary irritant effect:

On the skin: Irritates the skin and mucous membranes.

In the eyes: Causes serious eye irritation.

Sensitisation: No sensitising effect known.

Additional toxicological information:

Based on the calculation method of the General Classification Guideline of the EU for preparations in the last amended version, the product exhibits the following hazards: irritant

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. PERSISTENCE AND DEGRADABILITY

No further relevant information available.

Behaviour in environmental compartments:

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.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

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

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

IMDG, IATA



Class 2.1
Label 2.1

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

Transport/further information:

ADR

Exempted quantities (EQ): E0

Limited quantity (LQ): 1L

Transport category: 2

Tunnel restriction code D

Notes: Limited quantity:

Maximum 30 kg per package (carton), apply "diamond with black corners label" to the carton.

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

Guideline 2012/18/EU

Named hazardous substances - ANNEX I None of the constituents are contained.

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

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 in %: 85.0

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

Version number: 1.3 / Creation date: 01.09.2021

Cleaning spray

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

15.2. Chemical safety assessment

A chemical safety assessment has not been conducted.

SECTION 16: OTHER INFORMATION

Relevant phrases:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.

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:

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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent