

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Printing date: 06/26/2026

pico-occluspray

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1. Identification of the substance/preparation and of the company/undertaking

1.1. Information on the product

Trade name:

pico-occluspray

UFI:

F50H-3S3F-H01K-PWRD

1.2. Relevant identified uses of the substance/preparation and uses that are inadvisable

Relevant identified uses:

Do not use for private purposes (household).

Auxiliary for dental technology

1.3. Details about the supplier of the safety data sheet

Manufacturer/Supplier:

Company name:

picodent Dental Produktions- und Vertriebs-GmbH

Street:

Lüdenscheider Str. 24-26

City:

D-51688 Wipperfürth

Telephone:

+49 2267 6580-0

E-Mail:

picodent@picodent.de

Internet:

www.picodent.de

Department for information:

picodent Dental Produktions- und Vertriebs-GmbH

Telephone-No. +49 2267 6580-0

1.4. Emergency contact number:

Medical Emergency information in case of poisoning:

Poison Information Center Mainz

-24 h – Phone: +49 6131 19240

advisory service in German or English language

2. Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

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:

Danger

UFI:

F50H-3S3F-H01K-PWRD

Hazard statements

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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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

-

Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children.

2.3. Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

Environmental information: There is no information available on endocrine disrupting properties for the environment

3. Composition/information on ingredients

3.2. Mixture

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 75-28-5 isobutane
EINECS: 200-857-2
Index number: 601-004-00-0
RTECS: TZ 4300000
Reg.nr.: 01-2119485395-27-xxxx



Flam. Gas 1, H220;
Press. Gas (Comp.), H280 50-100%

Additional information:

For the wording of the listed hazard phrases refer to section 16.

4. First aid measures

4.1. Description of first aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

In cases of frost bites, rinse with plenty of water.
Do not remove clothing. Rinse with warm water.

After eye contact:

Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture:

In case of fire, the following can be released: Carbon monoxide (CO)

5.3. Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Keep away from ignition sources.
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions:

No special measures required.

6.3. Methods and material for containment and cleaning up:

Allow to evaporate.
Ensure adequate ventilation.
Pick up mechanically.

6.4. Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

7.1. Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material
Highly volatile, flammable constituents are released during processing.
Fumes can combine with air to form an explosive mixture.
Emergency cooling must be available in case of nearby fire.
Keep ignition sources away - Do not smoke.

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7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.
Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store receptacle in a well ventilated area.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Store in upright position.
Keep container tightly sealed.

7.3. Specific end use(s):

No further relevant information available.

8. Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

8.2. Exposure controls

Appropriate engineering controls:

No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if room is well-ventilated.
Not required.
Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection:

Not required.

Material of gloves.

-

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Rubber gloves

For the permanent contact gloves made of the following materials are suitable:

Neoprene gloves

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Eye/face protection:

Goggles recommended during refilling.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Physical state:	Aerosol
Colour:	Different according to colouring
Odour:	Pleasant
Odour threshold:	Not determined
Melting point/freezing point:	-159.4 °C
Boiling point or initial boiling point and boiling range:	-44 °C
Flammability:	Not applicable.
Lower and upper explosion limit	
Lower:	1.8 Vol % (Propan/Butan)
Upper:	8.5 Vol % (Propan/Butan)
Flash point:	Not applicable, as aerosol.
Ignition temperature:	460 °C
Decomposition temperature:	Not determined.
pH at 20 °C:	Not applicable
Viscosity:	
Kinematic viscosity:	Not applicable
Dynamic:	Not applicable
Solubility	
water at 20 °C:	Fully miscible.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure at 20 °C:	3,000 hPa
Density and/or relative density	
Density at 20 °C:	0.56 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2. Other information

Appearance:

Form: Aerosol

Important information on protection of health and environment, and on safety.

Ignition temperature:

Product is not selfigniting.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Solvent content:

VOC (EC): 98 %

Solids content: <2 %

Molecular weight: 58,12 g/mol

Refractive index Not applicable

Change in condition

Evaporation rate: Not applicable.

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Information with regard to physical hazard classes

Explosives:	Void
Flammable gases:	Extremely flammable gas.
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Contains gas under pressure; may explode if heated.
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water:	Void
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

10. Stability and reactivity

10.1. Reactivity.	No further relevant information available.
10.2. Chemical stability Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
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.

11. Toxicological information

11.1. Information on toxicological effects Acute toxicity: LD/LC50 values relevant for classification: 75-28-5 isobutane Inhalative LC50/4 h	Based on available data, the classification criteria are not met. 258,000 mg/l (rat)
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.

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Additional toxicological information:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

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

Endocrine disrupting properties: None of the ingredients is listed.

12. Ecological information

12.1. Toxicity

Aquatic toxicity:

75-28-5 isobutane

EC50	7.71 mg/l (A)
LC50/96h	27.98 mg/l (fish)

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Endocrine disrupting properties: The product does not contain substances with endocrine disrupting properties.

Additional ecological information:

General notes: Not hazardous for water.

13. Disposal considerations

13.1. Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 04	gases in pressure containers (including halons) containing hazardous substances

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

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14. Transport information

	Landtransport ADR/RID/ADN	Seetransport IMDG/GGVSee	Lufttransport ICAO/IATA
14.1. UN-Number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	1950 AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)			
Class Label	2 5F Gases. 2.1	2.1 Gases. 2.1	2.1 Gases. 2.1
14.4. Packaging group:	Void	Void	Void
14.5. Environmental hazards:	Marine pollutant: No	Marine pollutant: No	Marine pollutant: No
14.6. Special precautions for user:	Warnung: Gase.	Warnung: Gase.	Warnung: Gase.
Hazard identification number (Kemler code):	-	-	-
EMS Number::	F-D,S-U	F-D,S-U	F-D,S-U
14.7. Maritime transport in bulk according to IMO instruments:	Not applicable.	Not applicable.	Not applicable.
Transport/Additional information:			
Excepted quantities (EQ):	E0		
Limited quantities (LQ)	1 I	1 I	
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity	Code: E0 Not permitted as Excepted Quantity	
Transport category	2		
Tunnel restriction code	D		
UN „Model Regulation“:		UN 1950 AEROSOLS, 2.1	

15. Regulatory information

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

Labelling according to Regulation (EC)

No 1272/2008:

GHS label elements

The product is classified and labelled according to the GB CLP regulation.

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Hazard statements:



Signal word:
UFI:

GHS02
Danger
F50H-3S3F-H01K-PWRD

Hazard statements

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

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P3a FLAMMABLE AEROSOLS
Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II Conditions of restriction: 3
None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors None of the ingredients is listed.

National regulations

Other regulations, limitations and prohibitive regulations

Zolltarifnummer: 3212 90 00

15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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16. Other information

Changes in the following Sections since the previous version

SECTION 2: Hazards identification

SECTION 4: First aid measures

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant sentences:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

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 Organisation
ICAO-TI:	Technical Instructions by the „International Civil Aviation Organisation“ (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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Gas 1:	Flammable gases – Category 1
Aerosol 1:	Aerosols – Category 1
Aerosol 3:	Aerosols – Category 3
Press. Gas (Comp.):	Gases under pressure – Compressed gas