

Safety Data Sheet

According to 1907/2006/EG, Article 31



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

Item description: SPOT Occlusalspray green 780-0175
SPOT Occlusalspray blue 780-0275
SPOT Occlusalspray red 780-0375
SPOT Occlusalspray white 780-0475

Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance Auxiliary for dental technology

Manufacturer: **Dentify GmbH**
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78234 Engen / Germany

Information: Tel: + 49-7733-977 62 40, Fax: +49-7733-977 62 44
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

Emergency: Tel: + 49-7733-977 62 40
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

2. Hazards identification

Classification of the substance according to regulation (EC) No. 1272/2008



GHS02 Flame

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

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



F+; Extremely flammable
R12: Extremely flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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

Hazard statements

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

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.
P211 Do not spray on an open flame or other ignition source.
P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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
Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. Composition/ information on ingredients

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 75-28-5	Isobutan	 F+ R12	50-100%
EINECS: 200-857-2		 Flam.Gas1,H220; Press.Gas,H280	

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

Description of first aid measures

After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Generally the product does not irritate the skin.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	If symptoms persist consult doctor.
Information for 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:	No further relevant information available.

5. Firefighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7. Handling and Storage

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Specific end use(s)

No further relevant information available.

8. Exposure controls/ personal protection

Additional information about design of technical facilities: No further data; see item 7.

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.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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.

As protection from splashes gloves made of the following materials are suitable:

Natural rubber, NR

Butyl rubber, BR

Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles

9. Physical and chemical properties

Information on basic physical and chemical properties

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General Information

Appearance:	
Form:	Aerosol
Colour:	Different according to colouring
Odour:	Pleasant
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point:	-159,4 °C
Boiling point:	-44 °C
Flash point:	Not applicable, as aerosol.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	460 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Not determined.
Explosion limits:	Lower: 1.8 Vol % (Propan/Butan)/ Upper: 8.5 Vol % (Propan/Butan)
Vapour pressure at 20 °C:	3000 hPa
Density at 20 °C:	0.6 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water at 20 °C:	0.049 g/l
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC) 98 %	
Solids content:	<5 %
Other information	No further relevant information available.

10. Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: The product is high-volatile.

Additional ecological information:

General notes: Generally not hazardous for water

Results of PBT and vPvB assessment

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PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No further relevant information available.

13. Disposal considerations

Waste treatment methods
Recommendation: Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.


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


Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14. Transport information

UN-Number: UN1950
ADR, IMDG, IATA

UN proper shipping name: AEROSOLS
ADR 1950
IMDG
IATA
AEROSOLS
AEROSOLS
AEROSOLS, flammable

Transport hazard class(es):
ADR

Class: 2.5F Gases.

Label 2.1
IMDG, IATA

Class 2.1
Label 2.1

Packing group: Void
ADR, IMDG, IATA

Environmental hazards:
Marine pollutant: No

Special precautions for user: Warning: Gases.

Danger code (Kemler): -

EMS Number: F-D,S-U

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information:
ADR
Excepted quantities (EQ): E0
Limited quantities (LQ): 1L
Transport category: 2
Tunnel restriction code: D
UN "Model Regulation": UN1950, AEROSOLS, 2.1

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



Signal word
Hazard statements

GHS02
Danger

Precautionary statements

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

Chemical safety assessment:

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.
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P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
A Chemical Safety Assessment has not been carried out.

16. Other information

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 phrases

H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.
R12 Extremely flammable.

The above given data are based upon our stand of knowledge and experience from the issuing date, they do not have any relevance of characteristics warranty. No responsibility will be taken for the faultlessness and integrity.