

EG – Safety Data Sheet

YETI Dentalprodukte GmbH

According to 1907/2006/EG, article 31

1. Identification of the Substance / Preparation and Company Identification

<u>Article description:</u>	Digiscan - Spray, white, Item.-Nr. 581-0300 Content: 300 ml CLIENT NUMMER H98190
<u>Use:</u>	Anti-reflex covering spray for dental works
<u>Producer:</u>	YETI Dentalprodukte GmbH Industriestraße 3 D-78234 Engen Germany
<u>Information:</u>	Tel. +49-7733-9410-0 Fax. +49-7733-9410-22 (Mo-Thu 8:00-16:30, Fr 8:00-15:00)
<u>Emergency:</u>	Tel. +49-7733-9410-0 Fax. +49-7733-9410-22 (Mo-Thu 8:00-16:30, Fr 8:00-15:00)

2. Hazard Identification:

Classification system:

The classification corresponds to the actual EG-lists, and additional information from trade literature and company publishing.



Attention

H 224 - highly flammable liquid and vapor

H336 - may cause drowsiness and dizziness

General

P 102 – keep out of reach of children

Prevention

P 210 - Keep away from heat / sparks / open flames / hot surfaces. Do not smoke.

P 241 - Explosion-proof electrical equipment use / ventilation and lighting use.

P 251 - Pressurized container: Do not pierce or burn, even after use

P 261 - Avoid breathing dust / fume / gas / mist / vapor / spray

Reaction:

P 302 + P 352 + P 313 - After contact with skin wash immediately with plenty water and soap.

P 337 + P 313 - In case of contact with eyes rinse immediately with plenty of water and seek

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medical advice

Storage:

P 402 – Store in a dry place

P 403 – Store in a well ventilated place

P 405 – Store locked up.

P 410 – Protect from sunlight

P 412 - Should not be exposed to temperatures of over 50C for long periods of time.

Disposal:




P 501 – Disposal of contents / container in accordance with local / regional / national / international regulations.

3. Composition / Information on Ingredients

Chemical characterization:

Compressed gas flask - A mixture of the following substances with non-hazardous admixtures

Hazardous components:

<u>CAS-No.</u>	<u>Description</u>	<u>EINECS- No.</u>	<u>Code</u>	<u>R-Phrases</u>	<u>Emph.%</u>
106-97-8	Butan	203-448-7		220/280	50-100
74-98-6	Propan	200-827-9		220/280	25-50
67-63-0	Propan-2ol	200-661-7		225/319/336	10-25
75-28-5	Isobutan	200-857-2		220/280	2,5-10

4. First-aid measures

General indications:

After inhalation:

Possible effects: cough, sneezing. Supply affected person with fresh air, call a doctor if necessary.

After skin contact:

Generally the product doesn't irritate the skin.

After eye contact:

Rinse the opened eye with plenty of water for several minutes.

Possible effects because of foreign body effect: Rinse the opened eye with plenty of water. if irritation continues: Consult ophthalmologist.

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After swallowing:

In case of persistent symptoms consult doctor

5. Fire-fighting measures

Suitable extinguishing media:

Foam, fire extinguishing powder, carbon dioxide (CO₂)

Extinguishing media to avoid because of security reasons:

Full water jet

Hazards arising from the substance: Risk of bursting with spreading of fire

Special protection equipment: Wear fully protective suit

Further information: Cool endangered receptacles with water spray

6. Accidental release measures

Use personal protective equipment, keep person without protection away.

Avoid eye and skin contact. Keep away from heat source.

Provide fresh air during cleaning measures.

Environmental precautions:

Do not empty into drains, groundwater and surface water.

7. Handling and storage

Handling – Technical measures / precautions: -

Indications for safe handling:

Flask is under pressure! Do not open by force; do not burn; do not spray against flames or glowing objects. Keep away from fire. Do not smoke.

Storage:

Technical measures/ conditions of storage:

Storage at room temperature in cool rooms with good air circulation. Protect from heat and direct sunlight (over 50°C). Keep away from heat sources. Do not smoke! Do not open by force or burn after use. Dispose of only when completely empty! Keep product out of children's reach!

Observe storage directions according to TRG 300.

Storage class: 2B (gas flasks)

8. Exposure controls/ personal protection

Additional information for equipment of technical plants:

See point 7

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Limits of exposure at working place:

106-97-8 Butan

AGW (Germany) 2400mg/m³, 1000ml/m³ 4(II); DFG

MAK (Switzerland) 1900mg/m³, 800ml/m³

74-98-6 Propan

AGW (Germany) 1800mg/m³, 1000ml/m³ 4(II); DFG

MAK (Switzerland) short-time values: 7200mg/m³, 4000ml/m³

long-term: 1800mg/m³, 1000ml/m³

67-63-0 Propan-2-ol

AGW (Deutschland) 500mg/m³, 200ml/m³ 2(II); DFG, Y

MAK (Schweiz) Kurzzeitwert: 1000mg/m³, 400ml/m³

Langzeitwert: 500mg/m³, 200ml/m³

75-28-5 Isobutan

AGW (Germany) 2400mg/m³, 1000ml/m³ 4(II); DFG

MAK (Switzerland) 1900mg/m³, 800ml/m³

General safety and hygiene measures:

Keep away from ignition and heat sources. Do not smoke! Do not inhale gases, fumes and aerosols. Wash your hands thoroughly before breaks and after work.

Personal protection equipment:

Not necessary

Respiratory protection:

Respiratory protection required in case of: insufficient ventilation

Hand protection:

Not necessary

Eye protection:

Tightly sealed goggles

Recommendation:

Nitrile gloves according EN374

9. Physical and chemical properties

Form:	Aerosol
Colour:	white
Odour:	alcohol
Change of physical state:	Distinctive partial quantity of pressure gas becomes gaseous immediately
Boiling point/ range:	-44°C (valid for propellant)
Ignition temperature:	365°C
Flash point:	Not applicable, because aerosol
Danger of explosion:	Risk of bursting in case of overheating >50°C. Product can generate explosive vapour/gas-mixtures,.
Explosion limits:	lower: 1,5 Vol.% upper: 12 Vol.%
Vapour pressure:	at 20°C; 3-6 hPa

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Density:	at 20°C; 0,6 g/cm ³
Solubility and miscibility in water:	partially soluble
Low solvent concentration	Organical ca. 15,5% VOC (EU) 95,60%
Solids content:	4,4%
Further information:	Vapours are heavier than air

10. Stability and reactivity

Thermal decomposition: None at adequate storage and handling

Hazardous reactions: Danger of bursting when overheated (> 50°C), by raising inner pressure

Dangerous decomposition products: Not known

Storage stability: 24 Months

11. Toxicological information

Acute toxicity:

None at sufficient supply of oxygen

Primary irritation: Cooling effect in area of spraying

Skin contact: - No irritant effect

Eye contact: - Light irritation

Sensitization: - No sensitizing effect known

Additional toxicological information: - no

12. Ecological Information

General information:

Do not empty in undiluted condition or in big quantities in drains, groundwater and surface water

Water hazard class:

1 (self-assessment) slightly polluting substance

13. Disposal consideration

Rekommandation:

Full aerosol cans: Problem waste

Aerosol cans with remains: Recyclable waste

Polluted packaging: Material reuse EAK 150104

EG disposal register:

16 00 00 Not listed waste

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16 05 00 Gases in pressure containers and discarded chemicals

16 05 04 Gases in pressure containers (including halons) containing dangerous substances.

Do not dispose with household waste. Do not empty into drains.

Disposal according to current legal regulations.

14. Transport information

Transport by land ADR/RID and GGVs/GGVE (international/ domestic):

ADR / RID-GGVs/E Class:	2.1
Classification code	5F
Packing group:	5F
UN-No.:	1950 / 2
Proper Shipping Name:	Aerosols
Tunnel restriction code:	(D)

Transport by sea IMDG/GGVSea:

IMDG/GGVSea-class:	2.1
Packing group:	5F
UN-No.:	1950 / 2
EMS-No.:	F-D, S-U
Proper Shipping Name:	Aerosols
Comments:	- (no marine pollutant)

Transport by air ICAO-TI and IATA-DGR:

ICAO/IATA-class:	2.1
Packing group:	II
UN/ID-No.:	1950 / 2.1
Proper Shipping Name:	Aerosols
Packing Inst.:	203
Max. Quantity f. passenger aircraft:	75 kg

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15. Regulatory information

Specifications according to European Community guidelines:

The product is classified and marked according to European Community guidelines and Ordinance on Hazardous Substances (GefStoffV).

Code letter and hazard information:



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Prevention:

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Reaction:

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Storage:

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Disposal:

P 501 – Disposal of contents / container in accordance with local / regional / national / international regulations.

National regulations: TRG (Technical Regulations for Compressed Gases) / particular requirements on aerosol. Marking: Container is under pressure, protect from temperatures above 50 °C. Do not open with force or incinerate even after use. Do not spray onto flames or hot surfaces. Flammable! Do not smoke. Store out of the reach of children.

Classification according to Industrial Safety Regulation

Technical instructions (air): Class NK, Percentage of 10-25%

Water hazard class: slightly polluting substance

A Chemical Safety Assessment has not been carried out

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Customs number: 32129000

16. Other information

With the statements of this Safety Data Sheet, which correlate to our stand of knowledge and experiences at the date stated below, we want to describe our product regarding necessary safety measures, but we don't associate assurance of properties with it. Flawlessness and completeness is not warranted by the publisher.

All information provided does not constitute a legally binding assurance.

Observe warnings on can strictly!

Relevant R-Phrases:

H220 Highly flammable gas

H225 Highly flammable liquid and vapour

H280 Contains flammable gas under pressure; may explode if heated up

H319 Causes serious eye irritation

H336 May cause drowsiness and dizziness

R11 Highly flammable

R12 Extremely flammable

R36 Irritating to eyes

R67 Vapours may cause drowsiness and dizziness