

according to Regulation (EC) No 1907/2006

Okklusionsspray 75ml

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Okklusionsspray 75ml

Further trade names

HANEL

Okklu-top rot REF 480 410

Okklu-top grün REF 480 411

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

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name: COLTENE/Whaledent GmbH & Co. KG

Street: Raiffeisenstraße 30

Place: D-89129 Langenau

Telephone: +49 (7345) 805 0

Telefax: +49 (7345) 805 201

e-mail: info.de@coltene.com

Internet: www.coltene.com

1.4. Emergency telephone number:

+49 (0) 6132-84463 GBK GmbH Global Regulatory Compliance (24 h)

Further Information

Aerosol, Extremely flammable.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 1

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Danger**Pictograms:****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.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

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

Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
75-28-5	isobutane			50-100 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**Move victim to fresh air. Put victim at rest and keep warm.
In case of irregular breathing or respiratory arrest provide artificial respiration.**After contact with skin**

After contact with skin, wash immediately with: Water.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Call a doctor if you feel unwell.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂). Dry extinguishing powder.**Unsuitable extinguishing media**

High power water jet

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. Extremely flammable.

5.3. Advice for firefightersIn case of fire: Wear self-contained breathing apparatus.
Protective clothing.**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Ventilate affected area. In case of insufficient ventilation and/or through use,

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explosive/highly flammable mixtures may develop.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

for professional use only Keep out of the reach of children.
Observe instructions for use.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material.
Keep away from sources of ignition - No smoking.
Take action to prevent static discharges.

Further information on handling

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

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in the original container.

Further information on storage conditions

Protect against direct sunlight.
Keep away from heat.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves.

Suitable gloves type:

NR (natural rubber, natural latex)

Butyl caoutchouc (butyl rubber)

NBR (Nitrile rubber).

Skin protection

Lab apron.

Respiratory protection

Provide adequate ventilation.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Aerosol
Colour:	red / green
Odour:	characteristic

Test method

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Changes in the physical state

Melting point:	-159.4 °C
Initial boiling point and boiling range:	-44 °C
Lower explosion limits:	1.8 vol. %
Upper explosion limits:	8.5 vol. %
Ignition temperature:	460 °C
Vapour pressure:	3000 hPa
Density:	0.6 g/cm ³
Water solubility:	0.049 g/L
Solvent content:	Volatile organic compounds (VOC) content in percent by weight: 98

9.2. Other information

Solid content: <5%

SECTION 10: Stability and reactivity**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoidheat.
Remove all sources of ignition.**Further information**

Heating causes rise in pressure with risk of bursting.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
75-28-5	isobutane				
	inhalative (4 h) vapour	LC50	658 mg/l	Rat	Butan (106-97-8)

Irritation and corrosivityskin: no irritation
eyes: no irritation**Sensitising effects**

No sensitizing effect known.

SECTION 12: Ecological information**12.3. Bioaccumulative potential**

No data available

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8

12.5. Results of PBT and vPvB assessment

PBT: not applicable
vPvB: not applicable

Further information

According to the criteria of the EC-classification and labelling "dangerous for the environment" (93/21/EEC) the material/product is not to be classified as dangerous to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160505 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers other than those mentioned in 16 05 04

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Excepted quantity:	E0
Transport category:	2
Tunnel restriction code:	D

Other applicable information (land transport)

Special provisions: 190 - 327 - 625
Transport category: 2

Marine transport (IMDG)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1
Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Other applicable information (marine transport)

Special provisions: 63, 190, 277, 327, 959

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Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS, flammable
14.3. Transport hazard class(es):	2.1
14.4. Packing group:	-
Hazard label:	2.1
Special Provisions:	A145 A167 A802
Limited quantity Passenger:	30 kg G
Passenger LQ:	Y203
Excepted quantity:	E0
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

Other applicable information (air transport)

Special provisions: A145 - A153

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: isobutane

2004/42/EC (VOC): 98%

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Additional information

CH - VOC 0.043 kg/Unit

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)