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

Product name: Cold spray 200ml
Commercial name: ROEKO Endo-Frost 200 ml
Use / description of product: Aerosol. Extremely flammable.
Company name: Coltène/Whaledent GmbH + Co. KG
 Raiffeisenstr. 30
 D-89129 Langenau / Germany
 Tel: ++49-7345-805-0
 Fax: ++49-7345-805-201
Emergency telephone number (24 hours): ++49-761-19240
 Vergiftungs-Informations-Zentrale Freiburg

2. Composition / Information on ingredients

Hazardous ingredients: ISOBUTAN 10-20%
 EINECS: 200-857-2 CAS:: 75-28-5
 [F+] R12

- BUTAN 30-50%
 EINECS: 203-448-7 CAS: 106-97-8
 [F+] R12
- PROPAN 30-50%
 EINECS: 200-827-9 CAS: 74-98-6
 [F+] R12

3. Hazards identification

Main hazards: Extremely flammable.
Other hazards: Extremely flammable. In use, may form flammable / explosive vapour-air mixture.

4. First aid measures (symptoms)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: Headaches or general malaise may result.
Inhalation: Drowsiness or mental confusion may occur.

4. First aid measures (action)

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary.

5. Fire-fighting measures

Extinguishing media:	Carbon dioxide. Dry chemical powder.
Exposure hazards:	Forms explosive air-vapour mixture. Extremely flammable.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

Personal precautions:	Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Mechanically ventilate the spillage area whilst avoiding the formation of explosive concentrations - see section 9 of SDS.
Environmental precautions:	Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas.
Clean-up procedures:	Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. Handling and storage

Handling requirements:	Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.
Storage conditions:	Keep away from sources of ignition.
Suitable packaging:	Must only be kept in original packaging.

8. Exposure controls / Personal protection

Hazardous ingredients:	<p>ISOBUTAN WEL (8 hr exposure limit): 1000 ppm (OES)</p> <ul style="list-style-type: none"> • BUTAN WEL (8 hr exposure limit): 1000 ppm (OES) • PROPAN WEL (8 hr exposure limit): 1000 ppm (OES)
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency.
Hand protection:	Heat resistant gloves.
Eye protection:	Safety goggles.
Skin protection:	Heat-resistant protective clothing.

9. Physical and chemical properties

State:	Aerosol
Colour:	Colourless
Odour:	Barely perceptible odour
Evaporation rate:	Fast
Solubility in water:	Insoluble
Flammability limits %:	<p>lower: 1,4 upper: 32,0</p>
Flash point °C:	- 60
Autoflammability °C:	510
Vapour pressure:	5000 hPa
Relative density:	0,55 g/ml
VOC g/l:	555

10. Stability and reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Sources of ignition. Heat.
Materials to avoid:	Oxidising agents.
Haz. decomp. products:	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. Toxicological information

Chronic toxicity:	Danger of serious damage to health by prolonged exposure through inhalation. Danger of serious damage to health by prolonged exposure in contact with skin.
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12. Ecological information

Mobility:	Highly volatile. Vapour is heavier than air.
Persistence and degradability:	Not biodegradable.
Bioaccumulative potential:	No data available.
Other adverse effects:	No data available.

13. Disposal considerations

Disposal operations:	D10 Incineration on land. R3 Recycling/reclamation of metals and metal compounds.
Waste code number:	150110, 150104
Disposal of packaging:	Dispose of as normal industrial waste.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information**ADR / RID**

UN No:	1950	ADR Class:	2
Classification code:	5F		
Shipping name:	DRUCKGASPACKUNG; AEROSOLS, FLAMMABLE		
Labelling:	2.1		

**IMDG / IMO**

UN No:	1950	Class:	2
EmS:	F-D,S-U	Marine pollutant:	.
Labelling:	2.1		

IATA / ICAO

UN No:	1950	Class:	2
Packing instructions:	203		
Labelling:	2.1		

15. Regulatory information

Hazard symbols:	Extremely flammable. 
Risk phrases:	R12: Extremely flammable.
Precautionary phrases:	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.
Seveso II guideling:	Yes
Water hazard class:	1 Classification by VwVwS
Air emission directive:	Class: III Item no: 5.2.5 Amount m%: 100
Note:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. Other information

Other information:	Storage classification 2B Limited Quantities. AOX. no. Safety Data Sheet according to Regulation (EU) No. 1907/2006
Risk phrases used in s.2:	R12: Extremely flammable.
Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.