

Endo-Ice F

Revision date: 14.04.2011

Print date: 03.05.2011

Page 1 of 5

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

Endo-Ice F

Use of the substance/preparation

for dental use only

Company/undertaking identification**Manufacturer**

Company name: Coltène/Whaledent Inc.
Street: 235 Ascot Parkway
Place: Cuyahoga Falls, OH 44223/USA
Telephone: +1 (330) 916 8800
Telefax: +1 (330) 916 7077
e-mail: info@coltenewhaledent.com
Internet: www.coltenewhaledent.com

Authorized Representative

Company name: Coltène/Whaledent GmbH & Co. KG
Street: Raiffeisenstrasse 30
Place: D89129 Langenau
Telephone: +49 (7345) 805 0
Telefax: +49 (7345) 805 201
e-mail: info@coltenewhaledent.de
Internet: www.coltenewhaledent.com

Further Information

Aerosol

2. Hazards identification**Classification**

Indications of danger : Extremely flammable

R-phrases:
Extremely flammable.

3. Composition/information on ingredients**Chemical characterization (Mixture)****Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-448-7	106-97-8	butane	30-50 %	F+ R12
200-827-9	74-98-6	propane	30-50 %	F+ R12
200-857-2	75-28-5	isobutane	10-20 %	F+ R12

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

Endo-Ice F

Revision date: 14.04.2011

Print date: 03.05.2011

Page 2 of 5

After contact with skin

In cases of frostbite rinse with ample water. Do not remove clothing.

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

Immediately get medical attention.

5. Fire-fighting measures**Suitable extinguishing media**Carbon dioxide (CO₂). Dry extinguishing powder.**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Vapours may form explosive mixtures with air.

Special protective equipment for fire-fightersIn case of fire: Wear self-contained breathing apparatus.
Protective clothing.**6. Accidental release measures****Personal precautions**

Remove all sources of ignition. Ventilate affected area.

Environmental precautions

Do not empty into drains or the aquatic environment.

7. Handling and storage**Handling****Advice on safe handling**

Restricted to professional users. Keep out of the reach of children.

Advice on protection against fire and explosionDo not spray into flames or ignition sources.
Keep away from sources of ignition - No smoking.**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.

Storage**Further information on storage conditions**Recommended storage temperature: 15 - 23 °C
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

Exposure controls

Endo-Ice F

Revision date: 14.04.2011

Print date: 03.05.2011

Page 3 of 5

Protective and hygiene measures

When using do not eat, drink or smoke.

Respiratory protection

Provide adequate ventilation.

Hand protection

Hand protection: heat insulating.

Eye protection

Tightly sealed safety glasses.

Skin protection

Lab apron.

9. Physical and chemical properties**General information**

Physical state: liquid/ gaseous

Colour: colourless

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point: -60 °C

Lower explosion limits: 1.4 vol. %

Upper explosion limits: 32 vol. %

Ignition temperature: 510 °C

Vapour pressure: 5000 hPa

Density: 0.55 g/cm³**Other information**

VOC 555g/l

10. Stability and reactivity**Conditions to avoid**

heat.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide.

Additional information

Heating causes rise in pressure with risk of bursting.

11. Toxicological information**Severe effects after repeated or prolonged exposure**

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

12. Ecological information**Mobility**

Product is easily volatile.

Endo-Ice F

Revision date: 14.04.2011

Print date: 03.05.2011

Page 4 of 5

Persistence and degradability

Product is biodegradable with difficulty.

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.

13. Disposal considerations**Advice on disposal**

Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste.

Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Waste disposal according to official state regulations.

14. Transport information**Land transport (ADR/RID)**

UN number:	1950
ADR/RID class:	2
Classification code:	5F
Warning plate	
Hazard label:	2.1
Limited quantity:	LQ2
Tunnel restriction code:	D

Description of the goods

AEROSOLS

Other applicable information (land transport)Special provisions: 190 - 327 - 625
E0
Transport category: 2**Marine transport**

UN number:	1950
IMDG code:	2
Marine pollutant:	•
Hazard label:	2, see SP63
IMDG packing group:	-
EmS:	F-D, S-U
Limited quantity:	See SP277

Description of the goods

AEROSOLS

Endo-Ice F

Revision date: 14.04.2011

Print date: 03.05.2011

Page 5 of 5

Other applicable information (marine transport)Special provisions: 63, 190, 277, 327, 959
E0**Air transport**

UN/ID number:	1950
ICAO/IATA-DGR:	2.1
Hazard label:	2.1
Limited quantity Passenger:	30 kg G
IATA-packing instructions - Passenger:	203
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

Description of the goods

AEROSOLS

Other applicable information (air transport)E0
: Y203
Special provisions: A145 - A153
: -**15. Regulatory information****Labelling**

Danger symbols: F+ - Extremely flammable

R phrases

12 Extremely flammable.

S phrases02 Keep out of the reach of children.
16 Keep away from sources of ignition - No smoking.**National regulatory information****16. Other information****Full text of R-phrases referred to under sections 2 and 3**

12 Extremely flammable.

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.)