

**DuoTemp**

Revision date : 06.05.2010

Print date : 19.05.2010

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

DuoTemp

**Use of the substance/preparation**

for dental use only

**Company/undertaking identification**

Company name : Coltène/Whaledent AG  
Street : Feldwiesenstrasse 20  
Place : CH-9450 Altstätten  
Telephone : +41 (71) 75 75 300  
Telefax : +41 (71) 75 75 301  
e-mail : info@coltenewhaledent.ch  
Internet : www.coltenewhaledent.com

**2. Hazards identification****Classification**

Indications of danger : Irritant, Dangerous for the environment

R-phrases :

Risk of serious damage to eyes.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

EC-No.	CAS-No.	Chemical name	Quantity	Classification
215-222-5	1314-13-2	zinc oxide	30 - 35 %	N R50-53
276-957-5	72869-86-4	UDMA	15 - 20 %	R52-53
231-793-3	7446-19-7	zinc sulfate monohydrate	10 - 15 %	Xn, Xi, N R22-41-50-53

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

**4. First aid measures****After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**After ingestion**

Seek medical attention if problems persist.

**5. Fire-fighting measures****Suitable extinguishing media**

Water. Foam. Extinguishing powder. Carbon dioxide (CO2). Sand.

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**Additional information**

Extinguishing materials should be selected according to the surrounding area.

**6. Accidental release measures****Personal precautions**

Avoid contact with skin and eyes.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods for cleaning up/taking up**

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated area thoroughly.

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

Avoid contact with skin and eyes.

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

**Further information on handling**

After use replace the closing cap immediately.

**Storage****Further information on storage conditions**

Recommended storage temperature: 15 - 23 °C

**8. Exposure controls/personal protection****Exposure limit values****Exposure controls****Protective and hygiene measures**

When using do not eat, drink or smoke.

**Hand protection**

Single-use gloves. Suitable material: PVC (Polyvinyl chloride).

Roeko Glovyl - or comparable makes from other companies.

**Eye protection**

Framed glasses.

**Skin protection**

Lab apron.

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

Physical state :	Paste
Colour :	off-white
Odour :	fruity

**Important health, safety and environmental information**

Test method

Changes in the physical state

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**Flammability**

ISO 10156

Density (at 23 °C) :

2.5 g/cm<sup>3</sup>

Water solubility (at 23 °C) :

insoluble

Solubility in other solvents :

ketone.

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

Light.

UV-radiation/sunlight.

**11. Toxicological information****Additional information on tests**

No data available

**12. Ecological information****Further information**

No data available

**13. Disposal considerations****Advice on disposal**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

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

UN number : 3077

ADR/RID class : 9

Classification code : M7

Warning plate

Hazard-no. : 90

Hazard label : 9

ADR/RID packing group : III

Limited quantity : LQ27

**Description of the goods**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., zinc oxide

**Other applicable information (land transport)**

Special provisions: 274 335 601

E1

: 3

E

**Marine transport**

UN number : 3077

IMDG code : 9

Marine pollutant : •

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Hazard label : 9  
IMDG packing group : III  
EmS : F-A, S-F  
Limited quantity : 5 kg

**Description of the goods**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., zinc oxide

**Other applicable information (marine transport)**

Special provisions: 274, 909, 944

**Air transport**

UN/ID number : 3077  
ICAO/IATA-DGR : 9  
Hazard label : 9  
ICAO packing group : III  
Limited quantity Passenger : 30 kg G  
IATA-packing instructions - Passenger : 911  
IATA-max. quantity - Passenger : 400 kg  
IATA-packing instructions - Cargo : 911  
IATA-max. quantity - Cargo : 400 kg

**Description of the goods**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., zinc oxide

**Other applicable information (air transport)**

E1  
: Y911  
400 kg

**15. Regulatory information****Labelling**

Danger symbols : Xi - Irritant; N - Dangerous for the environment

**R phrases**

41 Risk of serious damage to eyes.  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
39 Wear eye/face protection.  
61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

**National regulatory information****16. Other information****Full text of R-phrases referred to under sections 2 and 3**

22 Harmful if swallowed.  
41 Risk of serious damage to eyes.  
50 Very toxic to aquatic organisms.  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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- environment.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

**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.

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