

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: DuoTemp

Manufacturer: COLTENE/Whaledent AG

SDS Expiry: 26 May 2025

Supplier Details: Henry Schein New Zealand  
23 William Pickering Drive, Albany  
PO Box 101 140, North Shore, Auckland 0745  
Ph. 0800 808 855  
[www.henryschein.co.nz](http://www.henryschein.co.nz)

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –  
0800POISON/0800764766 (24 Hours)  
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 8 / 9

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2020  
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared - April 2021

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

according to Regulation (EC) No 1907/2006

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

DuoTemp

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

for dental use only

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Company name: COLTENE/Whaledent AG  
Street: Feldwiesenstrasse 20  
Place: CH-9450 Altstätten  
Telephone: +41 (71) 75 75 300  
Telefax: +41 (71) 75 75 301  
e-mail: info.ch@coltene.com  
Internet: www.coltene.com  
Responsible Department: Regulatory Affairs  
msds@coltene.com

**Supplier**

Company name: Henry Schein Halas  
Australia  
Street: 189 O'Riordan Street, Level 6,  
Place: AU-NSW 2020 Mascot  
Telephone: +61 1300 65 88 22

**1.4. Emergency telephone number:** 13 11 26 (Poisons Line – 24 hours)  
Dial 000 (Fire/Ambulance/Police)

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

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Causes serious eye damage.

Very toxic to aquatic life with long lasting effects.

Australia - This product is hazardous in accordance with WHS and dangerous as per ADG Code.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate)

**Signal word:** Danger**Pictograms:**

according to Regulation (EC) No 1907/2006

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**Hazard statements**

Causes serious eye damage.  
Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.

**Special labelling of certain mixtures**

Contains mint aroma. May produce an allergic reaction.

**Additional advice on labelling**

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of Regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

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

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1314-13-2	zinc oxide			30 - < 35 %
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
72869-86-4	UDMA			15 - < 20 %
	276-957-5			
	Aquatic Chronic 3; H412			
7446-19-7	zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate)			10 - < 15 %
	231-793-3	030-006-00-9		
	Acute Tox. 4, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H318 H400 H410			
n.a.	mint aroma			< 1 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H319 H317 H412			

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

**SECTION 4: First aid measures****4.1. Description of 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.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

according to Regulation (EC) No 1907/2006

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### Suitable extinguishing media

Water. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.

### Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes.  
for professional use only Keep out of the reach of children.  
Observe instructions for use.

#### Further information on handling

After use replace the closing cap immediately.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Further information on storage conditions

Recommended storage temperature: 15 - 23 °C

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
1314-13-2	Zinc oxide, fume (Respirable Fraction)	-	2		TWA (8 h)	
		-	10		STEL (15 min)	

### 8.2. Exposure controls

#### Protective and hygiene measures

When using do not eat, drink or smoke.

#### Eye/face protection

Framed glasses.

#### Hand protection

Single-use gloves.

#### Skin protection

Lab apron.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:

Paste

Colour:

off-white

according to Regulation (EC) No 1907/2006

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Odour: fruity

#### Test method

#### Changes in the physical state

Density (at 23 °C): 2.5 g/cm<sup>3</sup>Water solubility:  
(at 23 °C) insoluble

#### Solubility in other solvents

ketone. (partially soluble)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Light.  
UV-radiation/sunlight.

## 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
1314-13-2	zinc oxide				
	oral	LD50 mg/kg > 5000	Rat	IUCLID	
72869-86-4	UDMA				
	oral	LD50 mg/kg >2000	Rat		OECD 401
7446-19-7	zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate)				
	oral	LD50 mg/kg 574-2949	Rat		
	dermal	LD50 mg/kg >2000	Rat		

#### Irritation and corrosivity

Causes serious eye damage.

#### Sensitising effects

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

#### Additional information on tests

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

according to Regulation (EC) No 1907/2006

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
72869-86-4	UDMA					
	Acute fish toxicity	LC50	10.1 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
7446-19-7	zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate)					
	Acute crustacea toxicity	EC50	1.13 mg/l	48 h	Ceriodaphnia spec	US EPA 821-R-02-012

#### 12.2. Persistence and degradability

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
72869-86-4	UDMA				
	OECD 301 F	22%	28		
	Product is not easily biodegradable.				

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
72869-86-4	UDMA	3.39

#### Further information

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

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

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 3077

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (zinc oxide)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9

Classification code: M7

Limited quantity: LQ27

Hazard No: 90

#### Other applicable information (land transport)

Special provisions: 274 335 601

E1

: 3

E

#### Marine transport (IMDG)

**14.1. UN number:** UN 3077

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**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (zinc oxide)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9

Marine pollutant: •

Limited quantity: 5 kg

EmS: F-A, S-F

**Other applicable information (marine transport)**

Special provisions: 274, 909, 944

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3077

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (zinc oxide)

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9

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

**Other applicable information (air transport)**

E1

: Y911

400 kg

**Other applicable information**

Australia - This material is classified as dangerous Goods as per ADG Code. HAZCHEM Code - 3YE

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulatory information**

**Additional information**

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## SECTION 16: Other information

**Relevant H and EUH statements (number and full text)**

Harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Causes serious eye irritation.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.

Contains mint aroma. May produce an allergic reaction.

**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

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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.)*