# **Ozdent Calmix**

## **Ozdent Dental Products Australia**

Chemwatch Hazard Alert Code: 3

Chemwatch: 35-5265 Version No: 4.1.1.1 Safety Data Sheet according to WHS and ADG requirements Issue Date: 06/11/2018 Print Date: 06/11/2018 S.GHS.AUS.EN

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### **Product Identifier**

Product name	Ozdent Calmix
Synonyms	Not Available
Proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains calcium hydroxide)
Other means of identification	Not Available

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Root canal disinfection, cavity liner, vital pulp therapy. Dental use only.
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### Details of the supplier of the safety data sheet

Registered company name	Ozdent Dental Products Australia
Address	Unit 12, 6 Gladstone Road Castle Hill NSW 2154 Australia
Telephone	+61 2 8853 5777
Fax	+61 2 8853 5757
Website	Not Available
Email	Not Available

#### Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	1300 322 200 (M - F 8:30am-5pm;,General Information only)
Other emergency telephone numbers	Not Available

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

### HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

#### CHEMWATCH HAZARD RATINGS

	Min	Max	1
Flammability	0		1
Toxicity	1		0 = Minimum
Body Contact	3		1 = Low 2 = Moderate
Reactivity	0		3 = High
Chronic	0		4 = Extreme

Poisons Schedule	Not Applicable	
Classification [1]	Metal Corrosion Category 1, Skin Corrosion/Irritation Category 1A, Serious Eye Damage Category 1	
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI	

Label elements

Hazard pictogram(s)

SIGNAL WORD	DANGER	
Hazard statement(s)		
H290	May be corrosive to metals.	
H314	Causes severe skin burns and eye damage.	
Precautionary statement(s) Prevention		
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	

 P280
 Wear protective gloves/protective clothing/eye protection/face protection.

 P234
 Keep only in original container.

## Precautionary statement(s) Response

reconciliary statement (5) response		
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.	
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P310	Immediately call a POISON CENTER or doctor/physician.	
P363	Wash contaminated clothing before reuse.	
P390	Absorb spillage to prevent material damage.	
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
	1	

### Precautionary statement(s) Storage

P405 Store locked up.

#### Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local regulations.
•	

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

#### Mixtures

CAS No	%[weight]	Name
1305-62-0	30-40	calcium hydroxide
1314-23-4	10-15	zirconium dioxide

#### **SECTION 4 FIRST AID MEASURES**

#### Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: <ul> <li>Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin or hair contact occurs:</li> <li>Immediately flush body and clothes with large amounts of water, using safety shower if available.</li> <li>Quickly remove all contaminated clothing, including footwear.</li> <li>Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.</li> <li>Transport to hospital, or doctor.</li> </ul>
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> <li>Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema.</li> <li>Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs).</li> <li>As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested.</li> <li>Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered.</li> <li>This must definitely be left to a doctor or person authorised by him/her.</li> <li>(ICSC13719)</li> </ul>
Ingestion	<ul> <li>For advice, contact a Poisons Information Centre or a doctor at once.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Transport to hospital or doctor without delay.</li> </ul>

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

- For acute or short-term repeated exposures to highly alkaline materials:
  - ▶ Respiratory stress is uncommon but present occasionally because of soft tissue edema.
  - Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
  - Oxygen is given as indicated.
  - ▶ The presence of shock suggests perforation and mandates an intravenous line and fluid administration.
- Damage due to alkaline corrosives occurs by liquefaction necrosis whereby the saponification of fats and solubilisation of proteins allow deep penetration into the tissue.

Ozdent Calmix

#### Alkalis continue to cause damage after exposure.

#### INGESTION:

Milk and water are the preferred diluents

No more than 2 glasses of water should be given to an adult.

Neutralising agents should never be given since exothermic heat reaction may compound injury.

\* Catharsis and emesis are absolutely contra-indicated.

\* Activated charcoal does not absorb alkali.

\* Gastric lavage should not be used.

Supportive care involves the following:

• Withhold oral feedings initially.

- If endoscopy confirms transmucosal injury start steroids only within the first 48 hours.
- Carefully evaluate the amount of tissue necrosis before assessing the need for surgical intervention.
- Patients should be instructed to seek medical attention whenever they develop difficulty in swallowing (dysphagia).
- SKIN AND EYE:

Injury should be irrigated for 20-30 minutes.

Eye injuries require saline. [Ellenhorn & Barceloux: Medical Toxicology]

### **SECTION 5 FIREFIGHTING MEASURES**

#### Extinguishing media

- Water spray or fog.
- ► Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.	
Advice for firefighters		
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>Do not approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>	
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit corrosive fumes.</li> </ul>	
HAZCHEM	2X	

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

See section 8

#### **Environmental precautions**

See section 12

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

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Consider evacuation (or protect in place).</li> <li>Stop leak if safe to do so.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Neutralise/decontaminate residue (see Section 13 for specific agent).</li> <li>Collect resolutes and seal in labelled drums for disposal.</li> <li>Wash area and prevent runoff into drains.</li> <li>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

#### SECTION 7 HANDLING AND STORAGE

Safe handling	<ul> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with moisture.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with scap and water after handling.</li> <li>Work clothes should be laundered separately. Launder contaminated clothing before re-use.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>DO NOT store near acids, or oxidising agents</li> <li>No smoking, naked lights, heat or ignition sources.</li> </ul>
Conditions for safe storage,	including any incompatibilities

Calcium hydro	oxide
produces	s explosive decomposition on contact with maleic anhydride
Storage incompatibility Forms automotion forms are acts with a Avoid stress automotion forms are acts and a stress and a stress and a stress and a stress are acts and a stress and a stress are acts and a stress and a stress are acts are acts and a stress are acts are acts are acts are acts are acts and a stress are acts are acts are acts and a stress are acts	explosive compounds or explode on contact with ammonium salts, phosphorus, nitroethane, nitromethane, nitroparaffins or nitropropane; salts shock-sensitive patible with acids some metals and coatings lits with nitroparaffins in the presence of water which are explosive when dried. with all units of the producing flammable, explosive hydrogen gas rong acids, acid chlorides, acid anhydrides and chloroformates.



X — Must not be stored together

**0** — May be stored together with specific preventions

+ — May be stored together

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Control parameters**

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA						
Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	calcium hydroxide	Calcium hydroxide	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	zirconium dioxide	Zirconium compounds (as Zr)	5 mg/m3	10 mg/m3	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
calcium hydroxide	Calcium hydroxide	1 mg/m3	240 mg/m3	1,500 mg/m3
zirconium dioxide	Zirconium oxide	14 mg/m3	110 mg/m3	680 mg/m3
Ingredient	Original IDLH		Revised IDLH	
calcium hydroxide	Not Available		Not Available	
zirconium dioxide	25 mg/m3		Not Available	

#### Exposure controls

-	
Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.
	General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances. If risk of overexposure exists, wear approved respirator. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection. Provide adequate ventilation in warehouses and enclosed storage areas. Air contaminants generated in the workplace possess varying

Ozdent	Calmix
OZuchi	Gaining

	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (in still air).		0.25-0.5 m/s (50-100 f/min)
	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer trans acid fumes, pickling (released at low velocity into zone of active generation)	fers, welding, spray drift, plating	0.5-1 m/s (100-200 f/min.)
	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas into zone of rapid air motion)	discharge (active generation	1-2.5 m/s (200-500 f/min.)
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial rapid air motion)	velocity into zone of very high	2.5-10 m/s (500-2000 f/min.)
	Within each range the appropriate value depends on:		
	Lower end of the range	Upper end of the range	
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents	
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood-local control only	,
Personal protection			
Personal protection	<ul> <li>Chemical goggles.</li> <li>Chemical goggles.</li> <li>Full face shield may be required for supplementary but never for primary protection of eyes.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate i of lenses or restrictions on use, should be created for each workplace or task. This should inc class of chemicals in use and an account of injury experience. Medical and first-aid personne should be readily available. In the event of chemical exposure, begin eye irrigation immediately should be removed at the first signs of eye redness or irritation - lens should be removed in a c thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equival</li> </ul>	lude a review of lens absorption a I should be trained in their remove y and remove contact lens as soo lean environment only after worke	and adsorption for the al and suitable equipme in as practicable. Lens
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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	White alkaline odourless paste; very slightly soluble in water.		
Physical state	Non Slump Paste	Relative density (Water = 1)	2.24
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	13.5-14.0	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	decomposes	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Partly miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

## SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

Inhaled	Not normally a hazard due to non-volatile nature of product		
Ingestion	The material can produce chemical burns within the oral cavity and gastrointe Accidental ingestion of the material may be damaging to the health of the indiv	•	ingestion.
Skin Contact	The material can produce chemical burns following direct contact with the skii In the presence of moisture calcium hydroxide (slaked lime) is a caustic irritan burns and blistering, depending on duration of contact. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, r use of the material and ensure that any external damage is suitably protected.	t and can be damagi	
Eye	The material can produce chemical burns to the eye following direct contact. If applied to the eyes, this material causes severe eye damage. Eye contact with calcium hydroxide may result in severe irritation and pain. Th		
Chronic	Repeated or prolonged exposure to corrosives may result in the erosion of tee the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneu Substance accumulation, in the human body, may occur and may cause some	monia may ensue.	-
		1	
Ozdent Calmix	TOXICITY	IRRITATION	
	Not Available	Not Available	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
calcium hydroxide	dermal (rat) LD50: >2-000 mg/kg <sup>[1]</sup>	Eye (rabbit): 10 m	g - SEVERE
	Oral (rat) LD50: >2-000 mg/kg <sup>[1]</sup>		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
zirconium dioxide	Oral (rat) LD50: >5-000 mg/kg <sup>[1]</sup>	Not Available	
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity data extracted from RTECS - Register of Toxic Effect of chemical Substances		rom manufacturer's SDS. Unless otherwise specified
CALCIUM HYDROXIDE	The material may produce severe irritation to the eye causing pronounced infla conjunctivitis.	ammation. Repeated	or prolonged exposure to irritants may produce
ZIRCONIUM DIOXIDE	No significant acute toxicological data identified in literature search.		
CALCIUM HYDROXIDE & ZIRCONIUM DIOXIDE	Asthma-like symptoms may continue for months or even years after exposure in reactive airways dysfunction syndrome (RADS) which can occur after exposure RADS include the absence of previous airways disease in a non-atopic individ hours of a documented exposure to the irritant. Other criteria for diagnosis of severe bronchial hyperreactivity on methacholine challenge testing, and the la asthma) following an irritating inhalation is an infrequent disorder with rates re substance. On the other hand, industrial bronchitis is a disorder that occurs a particles) and is completely reversible after exposure ceases. The disorder is	ure to high levels of h ual, with sudden ons RADS include a reve ck of minimal lympho elated to the concent s a result of exposur	highly irritating compound. Main criteria for diagnosing et of persistent asthma-like symptoms within minutes to ersible airflow pattern on lung function tests, moderate to ocytic inflammation, without eosinophila. RADS (or ration of and duration of exposure to the irritating e due to high concentrations of irritating substance (often
Acute Toxicity	0	Carcinogenicity	0
Skin Irritation/Corrosion	✓	Reproductivity	$\otimes$
Serious Eye Damage/Irritation	STOT - S	Single Exposure	$\otimes$
Respiratory or Skin sensitisation	STOT - Rep	eated Exposure	$\otimes$
Mutagenicity	○ As	piration Hazard	$\otimes$
		✓ - D	pata available but does not fill the criteria for classification pata available to make classification pata Not Available to make classification

### SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

Not Available TEST DURATION (HR) 96 72	Not Available         SPECIES         Fish         Algae or other aquatic plants	Not Available VALUE 160mg/L >14mg/L	Not Available SOURCE 4
96 72	Fish	160mg/L	4
72			I
	Algae or other aquatic plants	>14ma/L	i _
70			2
72	Algae or other aquatic plants	14mg/L	2
TEST DURATION (HR)	SPECIES	VALUE	SOURCE
96	Fish	54.550mg/L	3
72	Algae or other aquatic plants	>0.042mg/L	2
72	Algae or other aquatic plants	0.004mg/L	2
	96 72	96     Fish       72     Algae or other aquatic plants	96         Fish         54.550mg/L           72         Algae or other aquatic plants         >0.042mg/L

Prevent, by any means available, spillage from entering drains or water courses. DO NOT discharge into sewer or waterways.

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
zirconium dioxide	HIGH	HIGH

(Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

## **Bioaccumulative potential**

Ingredient	Bioaccumulation	
zirconium dioxide	LOW (LogKOW = 1.429)	

## Mobility in soil

Ingredient	Mobility	
zirconium dioxide	LOW (KOC = 23.74)	

## SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Product / Packaging disposal	<ul> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>Treat and neutralise at an approved treatment plant.</li> <li>Treatment should involve: Neutralisation with suitable dilute acid followed by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material).</li> <li>Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.</li> </ul>
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## **SECTION 14 TRANSPORT INFORMATION**

### Labels Required

	B C C C C C C C C C C C C C C C C C C C
Marine Pollutant	NO Not Applicable
HAZCHEM	2X

#### Land transport (ADG)

1 ( )			
UN number	3266		
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains calcium hydroxide)		
Transport hazard class(es)	Class 8 Subrisk Not Applicable		
Packing group	11		

#### **Ozdent Calmix**

Environmental hazard	Not Applicable		
Special precautions for user	Special provisions223 274Limited quantity5 L		

## Air transport (ICAO-IATA / DGR)

UN number	3266			
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. * (contains calcium hydroxide)			
	ICAO/IATA Class	8		
Transport hazard class(es)	ICAO / IATA Subrisk	Not Applicable		
	ERG Code	8L		
Packing group	II			
Environmental hazard	Not Applicable			
	Special provisions		A3 A803	
	Cargo Only Packing Instructions		856	
	Cargo Only Maximum Qty / Pack		60 L	
Special precautions for user	Passenger and Cargo Packing Instructions		852	
opecial precautions for user	Passenger and Cargo Packing Instructions Passenger and Cargo Maximum Qty / Pack		5L	
			1	
	Passenger and Cargo Limited Quantity Packing Instructions		Y841	
	Passenger and Cargo Limited Maximum Qty / Pack		1L	

### Sea transport (IMDG-Code / GGVSee)

UN number	3266		
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains calcium hydroxide)		
Transport hazard class(es)	IMDG Class     8       IMDG Subrisk     Not Applicable		
Packing group	Ш		
Environmental hazard	Not Applicable		
Special precautions for user	EMS NumberF-A , S-BSpecial provisions223 274Limited Quantities5 L		

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

### SECTION 15 REGULATORY INFORMATION

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

 CALCIUM HYDROXIDE(1305-62-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

 Australia Exposure Standards
 Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

ZIRCONIUM DIOXIDE(1314-23-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS Australia Exposure Standards

Australia Inventory of Chemical Substances (AICS)

#### **National Inventory Status**

National Inventory	Status	
Australia - AICS	Y	
Canada - DSL	Υ	
Canada - NDSL	N (zirconium dioxide; calcium hydroxide)	
China - IECSC	Y	
Europe - EINEC / ELINCS / NLP	Υ	
Japan - ENCS	Y	
Korea - KECI	Y	
New Zealand - NZIoC	Y	
Philippines - PICCS	Y	
USA - TSCA	Y	
Legend:	Y = All ingredients are on the inventory $N = N = N = N = N = N = N = N = N = N $	

### **SECTION 16 OTHER INFORMATION**

Revision Date	06/11/2018
Initial Date	02/05/2013
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### **SDS Version Summary**

Version	Issue Date	Sections Updated
2.1.1.1	02/05/2013	Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Advice to Doctor, Chronic Health, Classification, Disposal, Engineering Control, Environmental, Exposure Standard, Fire Fighter (extinguishing media), Fire Fighter (fire/explosion hazard), Fire Fighter (fire fighting), Fire Fighter (fire incompatibility), First Aid (eye), First Aid (inhaled), First Aid (skin), First Aid (swallowed), Handling Procedure, Instability Condition, Personal Protection (other), Personal Protection (eye), Personal Protection (hands/feet), Spills (major), Spills (minor), Storage (storage incompatibility), Storage (storage requirement), Storage (suitable container), Transport

#### Other information

#### Ingredients with multiple cas numbers

Name	CAS No
calcium hydroxide	1305-62-0, 1332-69-0

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit。 IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL : No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value **BCF: BioConcentration Factors** BEI: Biological Exposure Index This document is copyright.

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