

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Zinc Polycarboxylate Cement

Revision 0
Revision date 2015-05-22

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name UnoDent Zinc Polycarboxylate Cement LAU012

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU20] Health services; [PC19] Intermediate; [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact);

1.3. Details of the supplier of the safety data sheet


Company UnoDent Ltd
Address 10 Perry Way,
Witham, Essex,
CM8 3SX, UK
Telephone 01376 500582
Fax 01376 500581
Email info@unodent.com
Emergency telephone number 01376 500582

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC Xi; R38
Symbols: Xi: Irritant.
Main hazards Irritating to skin.
2.1.2. Classification - EC 1272/2008 Acute Tox. 4: H302; Aquatic Acute 1: H400;

2.2. Label elements

Hazard pictograms 

Signal Word Warning

Hazard Statement Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.

Precautionary Statement: Prevention P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

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2.2. Label elements

Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P330 - Rinse mouth. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards	No data available.
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Zinc oxide	030-013-00-7	1314-13-2	215-222-5		70 - 80%	N; R50/53	
Heavy Magnesium Oxide (Magnesium oxide (as Mg))		1309-48-4	215-171-9		1 - 10%		
Stannous Fluoride		7783-47-3	231-999-3		10 - 20%	Xn; R22 Xi; R36/38	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Zinc oxide	030-013-00-7	1314-13-2	215-222-5		70 - 80%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Heavy Magnesium Oxide (Magnesium oxide (as Mg))		1309-48-4	215-171-9		1 - 10%		
Stannous Fluoride		7783-47-3	231-999-3		10 - 20%		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to mucous membranes.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

	No data available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Clean spillage area thoroughly with plenty of water. Sweep up. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	SECTION 13: Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.
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7.3. Specific end use(s)

	None.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Heavy Magnesium Oxide (Magnesium oxide (as Mg))	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10	WEL 15 min limit mg/m3 total -
	inhalable dust:	inhalable dust:
	WEL 8-hr limit mg/m3 total -	WEL 15 min limit mg/m3 total -
	respirable dust:	respirable dust:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	Approved safety goggles. In case of splashing, wear..
Skin protection -	Chemical resistant gloves (PVC).
Handprotection	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Off white/White
Odour	Odourless

9.2. Other information

	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

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10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	Heat. Moisture.
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10.5. Incompatible materials

	Strong acids. Strong bases.
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10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
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Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.6. Special precautions for user

	No data available.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

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

	Local and national regulations.
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15.2. Chemical safety assessment

	No data available.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R22 - Harmful if swallowed.
	R36/38 - Irritating to eyes and skin.
	R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.