

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Reinforced ZOE Powder

Revision 1

Revision date 2015-05-22

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

1.1. Product identifier

Product name	UnoDent Reinforced ZOE Powder LGU112
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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);
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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
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xn; R22 N; R50 Symbols: Xn: Harmful. N: Dangerous for the environment.
Main hazards	Harmful if swallowed. Very toxic to aquatic organisms.
2.1.2. Classification - EC 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P273 - Avoid release to the environment.
Precautionary Statement: Response	P391 - Collect spillage.

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2.2. Label elements

Precautionary Statement: Disposal	P501 - Dispose of contents/container to
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2.3. Other hazards

Other hazards	R20/22 - Harmful by inhalation and if swallowed.
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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	
Polymethyl methacrylate		9011-14-7			1 - 10%	Xn; R20/22	

EC 1272/2008

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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

	None.
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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

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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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

	Ensure adequate ventilation of the working area.
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8.2.2. Individual protection measures

	Wear protective clothing.
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Eye / face protection

	Approved safety goggles. In case of splashing, wear..
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Skin protection -

	Chemical resistant gloves (PVC).
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Handprotection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White/Off white
Odour	Odourless

9.2. Other information

	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No data is available on this product.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	Heat. Moisture.
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10.5. Incompatible materials

	Strong acids.
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10.6. Hazardous decomposition products

	Carbon dioxide (CO2).
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

Zinc oxide	Oral Rat LD50: 15000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Zinc oxide	Daphnia EC50/48h: 1000 mg/l	Fish LC50/96h: 1.1 mg/l
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12.2. Persistence and degradability

	No data available.
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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 is available on this product.
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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

	No data is available on this product.
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15.2. Chemical safety assessment

	No data available.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 1 - CAS No. 1 - EC No. 1 - Index No.
Text of risk phrases in Section 3	R20/22 - Harmful by inhalation and if swallowed. 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.