

Material Safety Data Sheet

according to Regulation (EU) 2015/830

MSDS No: PER291

Issue No: 2

IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.


1. IDENTIFICATION

Product Name	Anhydrous Zinc Polycarboxylate Cement
Company Name	Perfection Plus Ltd
Company Address	6 Westwood Court, Brunel Road, Totton, Hants. SO40 3WX. UK
Company Phone No.	+44 (0) 2380 866 677

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.2. Classification - EC 1272/2008	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.
Other hazards	No Significant Hazard.
Further information	
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.	

3. COMPOSITION/INFORMATION ON PREPARATION

3.1 Mixtures

67/548/EEC / 1999/45/EC

Components Name	Index No	CAS No	EC No	REACH Registration No	Conc (% w/w)	Classification
Heavy Magnesium Oxide (Magnesium oxide (as Mg))		1309-48-4	215-171-9		1 - 10%	
Stannous Fluoride		7783-47-3	231-999-3		1 - 10%	Xn; R22 Xi; R36/38

EC 1272/2008

Components Name	Index No	CAS No	EC No	REACH Registration No	Conc (% w/w)	Classification
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		1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319;

4. FIRST AID MEASURES

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

4.1 Indication of any immediate medical attention and special treatment needed

Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for firefighters

Wear suitable respiratory equipment when necessary.

6. HANDLING AND STORAGE

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area.

6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3 Methods and materials for containment and cleaning up.

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

6.4 Reference to other sections

SECTION 13: Disposal considerations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3 Specific end use(s)

None.

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 chemical protective clothing

Eye / face protection – in case of splashing wear approved safety goggles

Skin / Hand protection – chemical resistant gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Powder
Colour	White/Off white
Odour	Odourless
Odour Threshold	No data available
pH	No data available
Melting Point	No data available
Freezing Point	No data available
Initial boiling Point	No data available
Flash Point (°C)	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available

Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Direct sunlight. Heat. Moisture.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause irritation to mucous membranes.

11.2 Toxicological Information

Heavy Magnesium Oxide	Oral Rat LD50: 3.8 mg/kg
------------------------------	---------------------------------

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Heavy Magnesium Oxide	Daphnia EC50/48h: 10.0000 mg/l	Fish LC50/96h: 10.0000 mg/l
------------------------------	---------------------------------------	------------------------------------

12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.

Partition coefficient	Anhydrous Zinc Polycarboxylate Cement No data available
12.4. Mobility in soil	No data is available on this product.
12.5. Results of PBT and vPvB assessment	No data is available.
12.6. Other adverse effects	Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with all local and national regulations.
For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

14. TRANSPORTATION INFORMATION

14.1. UN number	The product is not classified as dangerous for carriage.
14.2. UN proper shipping name	The product is not classified as dangerous for carriage.
14.3. Transport hazard class(es)	The product is not classified as dangerous for carriage.
14.4. Packing group	The product is not classified as dangerous for carriage.
14.5. Environmental hazards	The product is not classified as dangerous for carriage.
14.6. Special precautions for user	The product is not classified as dangerous for carriage.
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.

15. REGULATORY INFORMATION

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

No data is available on this product.

15.2. Chemical safety assessment

No data is available on this product.

16. OTHER INFORMATION

Revision	This document differs from the previous version in the following areas:
----------	---

	<p>2 - 2.1.2. Classification - EC 1272/2008.</p> <p>2 - Hazard pictograms.</p> <p>2 - Signal Word.</p> <p>2 - Precautionary Statement: Prevention.</p> <p>2 - Precautionary Statement: Response.</p> <p>2 - Precautionary Statement: Disposal.</p> <p>2 - Further information.</p> <p>4 - Inhalation.</p> <p>8 - Skin protection - Handprotection.</p> <p>8 - Eye / face protection.</p> <p>9 - 9.1. Information on basic physical and chemical properties (PH).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Melting point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Explosive properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Relative density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>9 - 9.2. Other information (Conductivity).</p> <p>9 - 9.2. Other information (Partition coefficient).</p> <p>9 - 9.2. Other information (Gas group).</p> <p>9 - 9.2. Other information (Surface tension).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Lead content).</p>
--	--

	10 - 10.4. Conditions to avoid. 10 - 10.3. Possibility of hazardous reactions. 10 - 10.6. Hazardous decomposition products. 10 - 10.1. Reactivity. 10 - 10.5. Incompatible materials. 11 - Serious eye damage/irritation. 12 - 12.4. Mobility in soil. 12 - 12.2. Persistence and degradability. 12 - 12.5. Results of PBT and vPvB assessment. 15 - Labelling. 15 - Symbols. 15 - 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture. 16 - Maximum content of VOC.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R36/38 - Irritating to eyes and skin.
Text of Hazard Statements in Section 3	Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

REVISED DATE: 19/06/2018

ISSUE No: 2

**SUPERSEDES
ISSUE: 1**

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Emergency Phone No: 023 8086 6677