

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Zinc Phosphate Cement Powder
 Product Code: 151

Application: General purpose oxyphosphate cement and liner

Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Main hazards:


Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification EC 1272/2008:

Aquatic Acute 1: H400; Aquatic Chronic 1: H410

Label elements



Hazard pictogram: 

Signal Word: Warning

Hazard Statement: Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.

Precautionary Statement: P273 – Avoid release to the environment.
 Prevention

Precautionary Statement: P391 – Collect spillage.
 Response

Precautionary Statement: P501 – Dispose of contents/container to
 Disposal

Other hazards: No data

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Index No. | CAS No. | EC No. | Conc (%w/w) | Classification |
|--|--------------|-----------|-----------|-------------|--|
| Zinc oxide | 030-013-00-7 | 1314-13-2 | 215-222-5 | 80-90% | Aquatic Acute 1: H400 Aquatic Chronic 1: H410 |
| Heavy Magnesium Oxide (Magnesium oxide (as Mg)) | | 1309-48-4 | 215-171-9 | 1-10% | |

4. FIRST AID MEASURES

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.

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

5. FIRE FIGHTING MEASURES

Use extinguishing media appropriate to the surrounding fire conditions.
 Burning produces irritating, toxic and obnoxious fumes.
 Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation of the working area.

Environmental precautions.

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

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.

7. HANDLING AND STORAGE

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.

Conditions for safe storage including any incompatibilities.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

| | | |
|-------------------------------|-------------------------------|------------------------------|
| Heavy Magnesium Oxide: | WEL 8-hr limit ppm:- | WEL 8-hr limit mg/m3 |
| (magnesium oxide (as Mg)) | 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 |

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Powder
- Colour:** White/Yellow

Odour: Odourless

10. STABILITY AND REACTIVITY

Reactivity:

No data is available on this product.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous Reactions:

No data available.

Conditions to avoid:

Direct sunlight, heat, moisture.

Incompatible materials:

Strong acids. Strong bases.

Hazardous decomposition products:

No data available.

11. TOXICOLOGY INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

The product is not classified as dangerous for carriage. Toxic to aquatic organisms.

15. REGULATORY INFORMATION

Chemical safety assessment - No data available.

16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.