

**SAFETY DATA SHEET**  
**Xcem Ltd.'s PHOSCEM**

➤ **1. IDENTIFICATION of SUBSTANCE, PREPARATION and COMPANY UNDERTAKING:**

**1.1 Trade Name: Xcem Ltd's**      PHOSCEM

**1.2 Intended use of product:**      Zinc Phosphate Dental Cement for Professional Use.

**1.3. Xcem Ltd Product ID:**

**1.4 Contact Address:**              Xcem Ltd.  
15 Picardy Road  
Belvedere Kent  
DA17 5QH

**1.5 E-mail address and emergency contact number:**

[admin@xcem.co.uk](mailto:admin@xcem.co.uk)  
+44 (0) 203 490 7078  
+44 (0) 203 490 2909

➤ **2. HAZARDS IDENTIFICATION:**

**Risk phrases:** Unlikely to cause harmful effects under normal conditions of handling and use. Practice good hygiene. Wear gloves, overalls.

➤ **3. COMPOSITON/INFORMATION ON INGREDIENTS.**

**Liquid**

<b>Ingredients</b>	<b>Percentage %</b>	<b>CAS. No.</b>
Phosphoric Acid	68.5	7664-38-2
Aluminium Hydroxide	9	21645-51-2
Water	22.5	-----

**Powder**

<b>Ingredients</b>	<b>Percentage %</b>	<b>CAS. No.</b>
Zinc Oxide	82	1314-13-2
Magnesium Hydroxide	17.03	1309-42-8
Approved pigment	0.07	-----

➤ **4. FIRST AID MEASURES:**

- 4.1 Contact with eyes: Wash with large amount of water, if symptoms remains, get medical advice.
- 4.2 Contact with skin: Wash affected area with soap and water. If signs/symptoms persist and develop, get medical advice.
- 4.3 Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical advice.
- 4.4 Ingestion: Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

➤ **5. FIRE-FIGHTING MEASURES**

- 5.1 Use fire extinguisher with class B extinguishing agent i.e. Dry chemical, Carbon dioxide.
- 5.2 Not flammable, ordinary combustible material.
- 5.3 Water may be used to blanket the fire. Use full Personnel Protective Equipment(PPE) and a self contained breathing apparatus.

➤ **6. ACCIDENTAL RELEASE MEASURES**

**Personal Protection**

- 1.0 Avoid the contact with the eyes
- 2.0 Don't let the material to come in contact with your skin
- 3.0 Don't touch the material
- 4.0 Don't ingest

**Method of Cleaning**

- 1.0 Ventilate the area with fresh air
- 2.0 Clean any spillage
- 3.0 Cover with the absorbent.
- 4.0 Collect the maximum material as you can
- 5.0 Clean up residue
- 6.0 Dispose the collected material

➤ **7. STORAGE:**

- 1.0 Store at Ambient temperature
- 2.0 Store away from Sun light
- 3.0 Store away from heat

➤ **8 EXPOSURE CONTROL/PERSONAL PROTECTION**

Occupational Exposure limits	N/A
Personal Protection	PPE
Respiratory protection	N/A
Skin Protection	Overalls, rubber gloves
Eye protection	Goggles/eye shields
Industrial Hygiene	Wash hands thoroughly after contact with this product

➤ **9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odour	Powder: Pale Yellow fine powder Liquid: Slightly yellow, Characteristic odour
pH	Not Determined
Boiling Point	Not Determined
Melting point	Not Determined
Flash point	Not Determined
Auto flammability	Not Determined
Water solubility	Not Determined
Vapour Density	Not Determined
➤ <b><u>10</u></b> Viscosity	Not Determined

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**TABILITY AND REACTIVITY**

Thermal decomposition / Conditions to avoid  
Liquid Polymerises at high temperatures.  
Product is stable in normal conditions.  
Hazardous reactions / Substances to avoid  
Avoid excessive heat and oxidising agents.

➤ **11 TOXICOLOGICAL INFORMATION**

- 1.0 After contact with eyes moderate eyes irritation, symptoms may include redness, swelling, pain, tearing, and blurred
- 2.0 After contact with skin contact no significant irritation take place
- 3.0 After inhalation the signs/ symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat.
- 4.0 Sign of Ingestion include abdominal pain, stomach upset, nausea, Vomiting and diarrhea

➤ **12 ECOLOGICAL INFORMATION**

Environmental Data: Not determined.

Mobility in Soil and Water: Not determined.  
Persistence/Biodegradability: Not determined.  
Ecotoxicity Data: Not determined.

➤ **13 DISPOSAL CONSIDERATIONS**

Dispose of wastes in sanitary landfill. Or incinerate waste product in an industrial or commercial incinerator.

➤ **14 TRANSPORT INFORMATION**

**Liquid:**

UN-Number · ADR, IMDG, IATA

UN proper shipping name · ADR

· IMDG, IATA

**Powder:**

UN-Number · ADR, ADN, IMDG, IATA	
UN proper shipping name · ADR, ADN, IMDG, IATA	
Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	
Packing group - · ADR, IMDG, IATA	
Environmental hazards: · Marine pollutant	
Special precautions for user	
Transport in bulk according to Annex II of Marpol and the IBC Code	
UN "Model Regulation"	

➤ **15 REGULATORY INFORMATION**

The information in this MSDS does not constitute an assessment of workplace risks.

➤ **16 OTHER INFORMATION**

The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications