

## 1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Zinc phosphate Cement Liquid  
 Product Code: 154

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:

Classification EC 1272/2008: Skin Corr. 1B: H314

### Label elements



Hazard pictogram: 

Signal Word: Danger

Hazard Statement: Skin Corr. 1B: H314 – Causes severe skin burns and eye Damage.

Precautionary Statement: P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.  
 Prevention P264 – Wash thoroughly after handling.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT  
 Response induce vomiting.  
 P303+p361+p353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water For several minutes. Remove contact lenses if present and Easy to do. Continue rinsing.  
 P310 – Immediately call a POISON CENTRE/doctor.  
 P321 – Specific treatment (see on this label).  
 P363 – Wash contaminated clothing before reuse.

Precautionary Statement: P405 – Store locked up.  
 Storage

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

Other hazards: Irritating to eyes.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	Conc (%w/w)	Classification
Phosphoric Acid % (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	70-80% C	Skin Corr. 1B:H314
Zinc oxide	030-013-00-7	1314-13-2	215-222-5	1-10%	Aquatic Acute 1:H400 Aquatic

Chronic 1:H410

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Inhalation:** Move the exposed person to fresh air. Seek medical attention.

**Eye Contact:** Seek medical attention.

**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. If swallowed seek medical advice immediately and show this container or label.

#### Most important symptoms and effects, both acute and delayed

**Inhalation:** Inhalation of vapour may cause shortness of breath.

**Eye contact:** Causes burns. Causes severe inflammation and may damage the cornea.

**Skin contact:** Causes burns.

**Ingestion:** Ingestion causes burns to the respiratory tract.

### 5. FIRE FIGHTING MEASURES

Use extinguishing media appropriate to the surrounding fire conditions. CO2 Dry Chemical Foam.

**Special hazards:** Burning produces irritating, toxic and obnoxious fumes.

**Advice to fire fighters:** Wear suitable respiratory equipment when necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

#### Environmental precautions.

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

#### Methods and material for containment and cleaning up.

Absorb with inert absorbent material. 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

Phosphoric acid...% (Orthophosphoric acid)	WEL 8-hr limit ppm:-	WEL 8-hr limit mg/m3:1
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Zinc Cement Liquid (Orthophosphoric acid)	WEL 15 min limit ppm:-	WEL 15 min limit mg/m3:2
	WEL 8-hr limit mg/m3 total	WEL 15 min limit mg/m3 total
	Inhalable dust	Inhalable dust
	WEL 8-hr limit mg/m3 total	WEL 14 min limit mg/m3 total
	Respirable dust	Respirable dust
	WEL 8-hr limit ppm	WEL 8-hr limit mg/m3:1
	WEL 15 min limit ppm	WEL 15 min limit mg/m3:2
	WEL 8-hr limit mg/m3 total	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

**Appropriate engineering controls:** Ensure adequate ventilation of the working area.  
**Individual protection measures:** Wear chemical protective clothing.  
**Eye/Face protection:** Wear approved safety goggles.  
**Skin protection:** Hand protection chemical resistant gloves (PVC).  
**Respiratory protection:** Wear self-contained breathing apparatus.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid  
**Colour:** Clear/Colourless  
**Odour:** Mild

**10. STABILITY AND REACTIVITY**

Stable under normal conditions.

**11. TOXICOLOGY INFORMATION**

**Skin corrosion/irritation:** Causes burns  
**Phosphoric acid...%:** Oral Rat LD50: 1530mg/kg  
**Zinc oxide:** Oral Rat LD50: 15000 mg/kg

**12. ECOLOGICAL INFORMATION**

No data is available on this product.

**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**

**UN Number:** UN1805  
**UN proper shipping name:** Phosphoric Acid, Solution  
**Transport Hazard Class(es):** ADR/RID 8  
**Subsidiary risk:** IMDG: 8  
**Subsidiary risk:** IATA: 8  
**Packaging group:** III

# SAFETY DATA SHEET

<b>Environmental hazards:</b>	No
<b>Marine Pollutant:</b>	No
<b>Hazard ID:</b>	80
<b>Tunnel Category:</b>	(E)
<b>EmS Code:</b>	F-A S-B
<b>Packaging instruction (Cargo):</b>	856
<b>Maximum quantity:</b>	60 L
<b>Packaging instruction (Passenger):</b>	852
<b>Maximum quantity:</b>	5 L

## 15. REGULATORY INFORMATION

No chemical safety assessment 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.