

# MATERIAL SAFETY DATA SHEET

## 1. Name of product and company:

Product name: **ZINC PHOSPHATE CEMENT LIQUID**

Manufacture: Confi-Dental Products Co.  
416 S. Taylor Avenue  
Louisville, CO 80027

For Information call: (303) 665 – 7535  
Emergency Number: (800) 424 – 9300

Date of Issue: April 11, 2008

## 2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

Phosphoric Acid

## 3. Hazardous properties:

Physical/Chemical Hazards:	Incompatibility with strong bases and active metals.
Human health Hazards:	Repeated contact with skin may lead to burns and rashes.
Acute hazard:	Slightly toxic when inhaled or ingested.
Chronic hazard:	Slightly toxic when repeated inhalation or ingestion.
Environmental Hazards:	Not determined

## 4. First aid measures:

### Effects and Symptoms:

Inhalation:	Severe irritant
Skin contact:	Mild to severe irritant.
Eye contact:	Mild to severe irritant.
Ingestion:	Slightly toxic

### First Aid Measures:

Inhalation:	Remove person to fresh air
Skin contact:	Wash with soap and water for at least 15 minutes.
Eye contact:	Flush with copious amounts of water for at least 15 minutes. Consult physician.
Ingestion:	Give 2 or 3 glasses of water. Do not induce vomiting. Consult physician.

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## 5. Fire fighting measures:

### Extinguishing Media

Suitable / Not Suitable:	Dry Chemical Foam, or water spray.
Special fire-fighting procedures:	Use water spray to keep containers cool and flush any spillage away from metals.
Unusual fire/explosion hazards:	Contact with metals may produce hydrogen, which may form flammable or explosive mixtures with air.
Hazardous thermal (de)composition products:	Not determined
Protection of fire fighters:	Emits toxic fumes of oxides of phosphorus. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.

## 6. Accidental release measures:

Personal precautions:	Gloves and eye protection suggested.
Environmental Precautions and Clean-up Methods:	Dike spill. Absorb any spilled material with soda ash. Collect material and place in an approved container.

## 7. Handling and storage:

Handling:	
Technical Precautions:	To be handled by qualified dental professionals
Precautions:	Follow the instructions for use
Storage:	Store at or below room temperature. Keep out of direct sunlight. Keep containers tightly closed.

## 8. Exposure control/personal protection:

### Personal Protective Equipment

Reparatory system:	Respiratory protection is recommended when using large amounts.
Skin and body:	Lab Coat
Hands:	Gloves
Eyes:	Safety glasses

## 9. Physical and chemical properties:

Physical state and Appearance:	Clear syrupy liquid
Odor:	No obvious odor
Boiling Point:	ND
Melting Point:	ND
Specific Gravity:	> 1.6
Solubility:	Soluble
Flash Point:	Non-Flammable
Flammability:	No Data
Autoignition temperature:	No Data
Explosion Properties:	Material may burn if exposed to flame

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## 10. Stability and reactivity:

Stability:	This material is stable
Conditions to avoid / Materials to Avoid:	Avoid reactive metals and bases.
Hazardous Reactions:	None reported
Hazardous Decomposition Products:	At flame temperatures, material will emit toxic phosphorus oxide fumes.

## 11. Toxicological information:

Skin Irritation:	Slight irritation to skin.
Eye Irritation:	Mild irritation to the eyes.

## 12. Ecological information:

May cause adverse environmental impact if material reaches waterways

## 13. Waste disposal:

Methods of disposal; Waste of residues; Contaminated Packaging:	Absorb any spilled material with soda ash. Collect spilled material. Place in closed container. Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations
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## 14. Transport information:

**Additional information:** UN 1805, CORROSIVE MATERIAL, 8, PGIII

## 15. Regulatory information:

R-Phrase:

R 34: Causes burns  
R22: Harmful if swallowed

S-Phrase:

S24/25: Avoid contact with skin and eyes  
S36/39: Wear suitable protective clothing and eye/face protection.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28: After contact with skin, wash immediately with plenty of soap and water.

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## 16. Other information:

### Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exists.*