

DENTAL
3-13



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
52-400-02

Product Name: **Ideal Band Cement Liquid
(Zinc Phosphate)**

Release Date: February 27, 2007

1. Product and Company Identification

Trade Name & Synonyms Zinc phosphate cement liquid	MSDS Code Number Refer to part number
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number NA	Address 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	Information Telephone Number 1-631-419-1700
Product Use (for Canada) NA	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Phosphoric acid	NA	NA	NA

3. Hazard Identification

Emergency Overview					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	N/A	NA	NA	Chronic: Causes burns to exposed tissue and eye contact.	NA
Skin Mild to severe irritant	N/A	NA	NA	NA	NA
Inhalation Severe Irritant	N/A	NA	NA	Acute: Corrosive irritant. Slightly toxic when inhaled. Chronic: Slightly toxic when repeatedly inhaled.	NA
Ingestion Slightly toxic	N/A	NA	NA	Acute: Corrosive irritant. Slightly toxic when ingested. Chronic: Slightly toxic when repeatedly ingested.	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure N/A					
Carcinogenicity (IARC, NTP) NA					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush thoroughly with water.	NA	NA
Skin	Flush thoroughly with water.	NA	NA
Inhalation	Mucous membranes: Flush thoroughly with water.	NA	NA
Ingestion	Immediately dilution with water, milk or demulcents. Do not neutralize with base or induce vomiting.	NA	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



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5. Fire and Explosion Data			
Flashpoint & Method: °C / °F Non-flammable	Flammable (Explosive) Limits in Air LEL: N/A UEL: N/A	Autoignition Temperature NA	Other NA
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health-, Flammability-, Reactivity- NA	
Extinguishing Media N/A		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Use full protective clothing and self-contained breathing apparatus. Thermal decomposition emits toxic fumes of oxides of phosphorus.			
Unusual Fire and Explosion Hazards N/A			

6. Accidental Release Measures
Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Decontamination procedures-wash with copious amounts of water.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage
Handling Practices and Warnings N/A
Storage Practices and Warnings (°C / °F) N/A

8. Exposure Control/Personal Protection		
Ventilation NA	Other Engineering Controls NA	
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	N/A	NA
Skin	N/A	NA
Inhalation	N/A	NA
General Hygiene Considerations and Work Practices N/A		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment N/A		



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9. Physical and Chemical Characteristics

Appearance Clear colorless liquid		Odor No odor
Normal Physical State: <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> ____ (Other)		Boiling Point 130-158 °C / °F Melting Point 17.5 °C for 75%; +21°C for 85% / °F Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 1.5-1.7	Solubility in Water Infinite	pH NA
Vapor Pressure (mm Hg @ 20°C) Non-volatile	Vapor Density (AIR= 1) Non-volatile	Evaporation Rate (Butyl Acetate = 1) Non-volatile
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Reactive metals (E.G. Mild steel and aluminum) and bases.		
Hazardous Products Produced During Decomposition Reaction with reactive metals may produce flammable/explosive hydrogen/air mixtures. All flame temps. Will emit phosphorus oxide fumes.		
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid °C / °F NA	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid °C / °F NA	

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data
NA

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements
NA

13. Disposal Considerations

Regulations
N/A

Properties (Physical/Chemical) Affecting Disposal
NA



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14. Transport Information

Regulated for shipping? <input type="checkbox"/> Yes <input type="checkbox"/> No NA		Proper Shipping Name Ideal band cement liquid	Packing Group NA	
Do changes in quantity, packaging, or shipment method change product classification? <input type="checkbox"/> Yes <input type="checkbox"/> No NA		Hazard Class NA	Identification Number NA	
Other NA				

15. Regulatory Information

Federal Regulations NA
International Regulations NA
Other NA

16. Other Information

Supplier Number: 9/52	Supplier Release: August 2, 1988
N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.	