



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
677001

Product Name: Zircate® Prophy Paste

Release Date: March 15, 2006

1. Product and Company Identification

Trade Name & Synonyms Zircate® Prophy paste	MSDS Code Number 677001
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number 10101-52-7	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	OSHA PEL	ACGIH TLV	C.A.S. Number	Exposure Limits	%
Zirconium Silicate	5mg/m ³	5mg/m ³	10101-52-7	NA	<75
Tin oxide	2 mg/m ³	2mg/m ³	18282-10-5	NA	<10
Sodium saccharine	15mg/m ³	10mg/m ³	128-44-9	NA	<0.10

3. Hazard Identification

Emergency Overview NA					
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	May cause slight eye irritation.	NA	NA	May cause eye irritation.	NA
Skin	May cause mild skin irritation.	NA	NA	May cause mild skin irritation.	NA
Inhalation	NA	NA	NA	NA	NA
Ingestion	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure Open sores and wounds of the skin.					
Carcinogenicity (IARC, NTP) NTP: Not listed. IARC Monographs: Not listed. OSHA REGULATED: No All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic substances control act (TSCA) chemical substance inventory.					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	In case of contact, immediately flush with plenty of water for atleast 15 minutes.	Get medical attention if irritation persists.	NA
Skin	Wash with mild soap and water.	If rash develops get medical attention if irritation p-persists.	NA
Inhalation	NA	NA	NA
Ingestion	NA	Promptly consult a physician.	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 N/A	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 N/A			
Unusual Fire and Explosion Hazards N/A			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Scoop up spilled material and place it in an appropriate closed container for disposal.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings Observe normal warehouse handling procedures. Handling of this product should be by trained dental health care professionals only.
Storage Practices and Warnings Store at ambient temperature out of direct sunlight and heat. Keep away from food and beverages. Keep tube closed to prevent drying out and possible contamination.

8. Exposure Control/Personal Protection

Ventilation Local exhaust as necessary.	Other Engineering Controls NA	
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Safety glasses	NA
Skin	Rubber gloves.	NA
Inhalation	None required during normal use of this product, due to small quantities applied.	NA
General Hygiene Considerations and Work Practices Avoid eye and skin contact. Observe normal care when working with chemicals. Do not eat, drink or smoke when using. Handling of this product should be by trained dental healthcare professionals only.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Rubber apron		



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9. Physical and Chemical Characteristics

Appearance Light gray paste		Odor Spearmint odor
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> PASTE (Other)		Boiling Point °C / °F N/E Melting Point °C / °F N/A Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 2.5 g/cm ³	Solubility in Water Slight	pH NA
Vapor Pressure (mm Hg @ 20°C) N/E	Vapor Density (AIR= 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) None	
Hazardous Products Produced During Decomposition NE	
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 Heat greater than 60°C / 140°F

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data NA
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12. Ecological Information

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

13. Disposal Considerations

Regulations Waste disposal method: Dispose of in accordance with Federal, State and Local regulations.
Properties (Physical/Chemical) Affecting Disposal NA



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14. Transport Information

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

15. Regulatory Information

Federal Regulations NA
International Regulations NA
Other NFPA HAZARD CLASSIFICATIONS: Health 1 Flammability 0 Reactivity 0 Specific hazard NA NFPA- National Fire Protection Association.

16. Other Information

Supplier Number: 2 / 53	Supplier Release: October 9, 2003
N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.	