



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
52-510-00

Product Name: Ortho Loc Paste

Release Date: March 12, 2007

1. Product and Company Identification

Trade Name & Synonyms Ortho loc paste	MSDS Code Number Refer to part number
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number 1565-94-2	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	CLASSIFICATION	C.A.S. Number	Exposure Limits	%
Bisphenol diglycidylmethacrylate	Xi; R 36 / 38-43	1565-94-2	NA	15-40
Triethyleneglycol dimethacrylate	Xi; R 36 / 38-43	109-16-0	NA	7-13
Fused silica		60675-86-0	NA	40-70

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	Irritates the eyes.	NA	NA	NA	NA
Skin	May cause allergic reaction on skin.	NA	NA	NA	NA
Inhalation	NA	NA	NA	NA	NA
Ingestion	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure NA					
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 with running water for at least 15 minutes while keeping eye lids open.	Seek medical attention.	NA
Skin	Wash with soap and water.	NA	NA
Inhalation	Does not require first aid measures.	NA	NA
Ingestion	Drink two glasses of water or milk.	Call a physician if a substantial amount has been ingested.	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



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5. Fire and Explosion Data

Flashpoint & Method: >38°C / °F	Flammable (Explosive) Limits in Air LEL: N/D UEL: N/D	Autoignition Temperature NA	Other Self ignition: N/D
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health- , Flammability- , Reactivity- NA	
Extinguishing Media Dry chemical powder, foam, or carbon dioxide.		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters NA			
Unusual Fire and Explosion Hazards Upon combustion irritating gases may form.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Wipe with damp paper towels, discard properly.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings This product is used exclusively for dental purposes by trained personnel.
Storage Practices and Warnings (°C / °F). Store in ventilated, dry, cool (<22°C) place.

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	Use protective eye wear.	NA
Skin	Use protective gloves.	NA
Inhalation	NA	NA
General Hygiene Considerations and Work Practices NA		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment NA		



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9. Physical and Chemical Characteristics

Appearance Viscous paste. Color: White		Odor Slight acrylic 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 NA Melting Point °C / °F NA Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) NA	Solubility in Water Insoluble	pH N/A
Vapor Pressure (mm Hg @ 20°C) N/D	Vapor Density (AIR= 1) N/D	Evaporation Rate (Butyl Acetate = 1) N/A
Other Density g/cc: >1; Volatile organic compounds: None.		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) NA	
Hazardous Products Produced During Decomposition NA	
Hazardous Polymerization? <input type="checkbox"/> May Occur <input type="checkbox"/> May Not Occur NA	Conditions to Avoid °C / °F NA
Stability? <input type="checkbox"/> Stable <input type="checkbox"/> Unstable NA	Conditions to Avoid Avoid high temperatures (>40°C) / °F

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data Eye contact: The product irritates the eyes. Skin contact: May irritate the skin especially of persons with sensitive skin. Sensitization: May cause allergic reaction on contact with the skin.

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements N/A
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13. Disposal Considerations

Regulations Dispose of waste product in a sanitary landfill.
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 Ortho loc paste	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 Use normal and customary shipping and transportation methods.		

15. Regulatory Information

Federal Regulations Classification: Xi: Irritant. Content: Bisphenol diglycidylmethacrylate 15-40%, Triethyleneglycol dimethacrylate 7-13%, (Fused silica 40-70%) Risk phrases: R36/38; Irritates the eyes and skin. R43; May cause allergic reaction on contact with skin. Protection phrases: S37/39; Use protective gloves and protective wear.
International Regulations NA
Other NA

16. Other Information

Supplier Number: 15/52 Supplier Release: July 1 , 1998
N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.