



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
52-601-66 / 01/ 02

Product Name: Glass Ionomer Band Cement

Release Date: March 15, 2006

1. Product and Company Identification

Trade Name & Synonyms Ideal glass ionomer band cement	MSDS Code Number Refer to part number
Chemical Name Resin -ionomer cement in dual cure base and catalyst pastes	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) Dental cement for orthodontic bands	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	PEL/TLV	C.A.S. Number	Exposure Limits	%
Methacrylate resins	NE	NA	NA	NA
DOT HAZARD CLASSIFICATION: Not regulated. WHMIS CLASSIFICATION: D-2, Possible irritant. NFPA HMIS RATING: Health :0 Flammability:0 Reactivity: 1				

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 be irritating	NA	NA	NA	NA
Skin	Skin absorption: None expected. Skin contact: May be irritating or sensitizing	NA	NA	NA	NA
Inhalation	None expected	NA	NA	NA	NA
Ingestion	None expected under normal conditions of use.	NA	NA	NA	NA
Other	Summary of Acute hazards: Minimal health hazard under normal conditions of use and in the quantities present in this product. May be irritating to eyes or skin on contact. May be a sensitizer for certain people prone to allergic responses. Summary of chronic hazards: None known except for sensitizing or allergic reactions in some individuals, especially after prolonged or repeated contact.	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure NA					
Carcinogenicity (IARC, NTP) Not known to be a carcinogen. Teratogenicity: None known. Mutagenicity: None known. Reproductive toxicity: None known.					
Potential Environmental Effects NA					



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4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Wash eyes under running water.	Seek medical attention.	NA
Skin	Wash skin immediately with soap and running water.	Seek medical attention if irritation persists.	NA
Inhalation	Remove person to fresh air.	Seek medical attention.	NA
Ingestion	NA	Seek medical attention promptly.	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring)			
NA			

5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/A	Flammable (Explosive) Limits in Air LEL: N/A UEL: N/A	Autoignition Temperature N/A	Other
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health-, Flammability-, Reactivity-NA	Hazardous combustion products: Hazardous polymerization with heat build-up and release of carbon monoxide, carbon dioxide and oxides of nitrogen may occur under fire conditions.
Extinguishing Media Carbon dioxide, dry chemical, alcohol foam, or water fog. Water spray may be used to keep exposed containers cool.		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Fire personnel should wear a self-contained breathing apparatus. Cool fire exposed containers to prevent polymerization under fire conditions.			
Unusual Fire and Explosion Hazards Hazardous polymerization with heat build-up and release of carbon monoxide, carbon dioxide and oxides of nitrogen may occur under fire conditions.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Steps to be taken if material is released or spilled: For small quantities (as in this product): Wear gloves and safety glasses. Pick up spill with absorbent material, such as paper or cloth and collect for disposal. Wash area of spill with soap and water.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings NA
Storage Practices and Warnings Store in original container, tightly closed in a cool, dry place away from contaminants, direct sunlight and sources of ignition. Avoid cross-contamination of two parts, as this will cause the material to polymerize.



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8. Exposure Control/Personal Protection

Ventilation No special ventilation required under normal conditions of use of this product. However, for large quantities and prolonged exposure, methods such as enclosures, local ventilation and dilution are recommended to reduce concentration below TLV.		Other Engineering Controls NA
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Safety glasses are recommended when normal conditions of sue are anticipated. Chemical splash goggles should be worn whenever there is a possibility of splashing/contact with eyes.	NA
Skin	Chemically impervious gloves are recommended.	NA
Inhalation	NA	NA
General Hygiene Considerations and Work Practices Wash hands after use.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Emergency eye wash fountain should be available.		

9. Physical and Chemical Characteristics

Appearance Base: Pale yellow thin paste. Catalyst: Grayish thin paste.		Odor Base: Mild, characteristic. Catalyst: Mild, Characteristic.
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) Base 1.813. Catalyst: 2.000	Solubility in Water Nil	pH NA
Vapor Pressure (mm Hg @ 20°C) NA	Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate = 1) NA
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Cross contamination with other part, i.e. peroxide for base, amine for catalyst.	
Hazardous Products Produced During Decomposition Heat, carbon monoxide, carbon dioxide, oxides of nitrogen.	
Hazardous Polymerization? <input checked="" type="checkbox"/> May Occur <input type="checkbox"/> May Not Occur	Conditions to Avoid °C / °F Extreme heat, direct sunlight or strong visible light.
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid °C / °F Extreme heat, direct sunlight, strong visible light.

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: Follow all governmental regulations.

Other precautions: Wash hands after use.

Properties (Physical/Chemical) Affecting Disposal

NA

14. Transport Information

Regulated for shipping?

Yes No

Proper Shipping Name

Ideal glassion paste

Packing Group

NA

Do changes in quantity, packaging, or shipment method change product classification?

Yes No

Hazard Class

Not regulated

Identification Number

NA

Other

DOT HAZARD CLASSIFICATION: Not regulated.

WHMIS CLASSIFICATION: D-2, Possible irritant.

NFPA HMIS RATING: Health: 0 Flammability: 0 Reactivity: 1

15. Regulatory Information

Federal Regulations

NA

International Regulations

NA

Other

NA

16. Other Information

Supplier Number: 6/52

Supplier Release: January 1, 2005

N/E = not established. N/D = not determined. N/A = not applicable.