



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
52-777-02

Product Name: Ideal Resin Bonding Agent

Release Date: March 2, 2006

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Ideal Resin Bonding Agent	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> Aromatic / aliphatic methacrylate resin	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> NA	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> NA	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Methacrylate resins PEL/TLV NE	NA	NA	NA
DOT HAZARD CLASSIFICATION: Class 3, Packing group III/ UN 1993 Combustible liquid, NOS. WHMIS CLASSIFICATION: B-3, Combustible liquid; D-2, Possible irritant/ sensitizer NFPA HMIS RATING: Health: 2 Flammability: 1 Reactivity: 1			

## 3. Hazard Identification

<b>Emergency Overview</b>					
SUMMARY OF ACUTE HAZARDS: Minimal health hazard in the quantities present in this product. Moderate health hazard for the material in general.					
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 irritation,	NA	NA	NA	NA
Skin	Skin absorption: None expected. Skin contact: May cause irritation or allergic sensitization.	NA	NA	NA	NA
Inhalation	Prolonged overdose may cause dyspepsia, nausea, and vertigo.	NA	NA	NA	NA
Ingestion	Not a hazard in small quantities may be irritating.	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
<b>Medical Conditions Aggravated by Exposure</b> NA					
<b>Carcinogenicity (IARC, NTP)</b> Not known to be a carcinogen.					
<b>Potential Environmental Effects</b> <b>Teratogenicity:</b> None known. <b>Mutagenicity:</b> None known. <b>Reproductive toxicity:</b> None known. <b>Special health effects:</b> May become a sensitizer with prolonged, repeated exposure.					



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## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush with running water for 15+ minutes.	Get medical care as indicated.	NA
Skin	Remove with alcohol or orange solvent. Wash with water and soap.	NA	NA
Inhalation	Remove to fresh air; monitor breathing	If breathing becomes difficult, get medical care; give oxygen or CPR as required.	NA
Ingestion	Dilute with water.	If large quantities are swallowed, consult a physician.	NA
Other	NA	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> NA			

## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> °C /195 °F	<b>Flammable (Explosive) Limits in Air</b> LEL: NA UEL: NA	<b>Autoignition Temperature</b> NA	<b>Other</b> NA
<b>Flame Propagation or Burning</b> NA	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health-, Flammability- , Reactivity-NA	
<b>Extinguishing Media</b> Foam, carbon dioxide, dry chemical or fog.		<b>Extinguishing Media to Avoid</b>	
<b>Protection and Procedures for Firefighters</b> Fire fighters should wear full protective clothing and positive pressure self-contained breathing apparatus to protect eyes, skin and respiratory tract. Cool fire exposed containers with water.			
<b>Unusual Fire and Explosion Hazards</b> Thermal decomposition or burning may produce acid fumes, carbon monoxide and / or carbon dioxide and oxides of nitrogen. Spontaneous polymerization may result from high temperatures. Closed containers may rupture during uncontrolled polymerization.			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Wear gloves and goggles. Eliminate sources of ignition. <b>For a small spill:</b> Absorb with inert material, such as paper towels , transfer to covered container for disposal. Wash spill site with alcohol or orange solvent, then with detergent and water.
<b>Evacuation Procedures</b> NA
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b> Keep tightly closed in original container. Avoid exposure to light.
<b>Storage Practices and Warnings</b> (°C / °F). Store in a cool, dry, well-ventilated place away from extremes of temperature, moisture, direct sunlight, sources of ignition, strong oxidizers, and radiation. Limit storage time.



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## 8. Exposure Control/Personal Protection

<b>Ventilation</b> No special ventilation required under normal conditions of use of this product.		<b>Other Engineering Controls</b> NA
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	No special requirements other than the usual surgical gloves worn by dental staff.	NA
<b>Skin</b>	No special requirements other than the usual surgical gloves worn by dental staff.	NA
<b>Inhalation</b>	None required. Under normal conditions of use of this product, the surgical masks usually worn by dental staff are adequate.	NA
<b>General Hygiene Considerations and Work Practices</b> Wash hands after use.		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b> NA		
<b>Other Protective Measures and Equipment</b> Emergency eye wash fountain. Long sleeved lab coat will minimize skin contact.		

## 9. Physical and Chemical Characteristics

<b>Appearance</b> Yellow oily liquid.		<b>Odor</b> Characteristic resin odor
<b>Normal Physical State:</b> <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> ____ (Other)		<b>Boiling Point</b> °C / °F    ND <b>Melting Point</b> °C / °F    ND <b>Freezing Point</b> °C / °F    NA
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> 1.00	<b>Solubility in Water</b> Negligible	<b>pH</b> NA
<b>Vapor Pressure (mm Hg @ 20°C)</b> ND	<b>Vapor Density (AIR= 1)</b> ND	<b>Evaporation Rate (Butyl Acetate = 1)</b> ND
<b>Other</b> <b>Odor Threshold:</b> No data available.		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> Strong oxidizers, free radical initiators, inert gases, oxygen scavenging.	
<b>Hazardous Products Produced During Decomposition</b> Thermal decomposition or burning may produce acrid fumes, carbon monoxide and or carbon dioxide and oxides of nitrogen.	
<b>Hazardous Polymerization?</b> <input checked="" type="checkbox"/> May Occur <input type="checkbox"/> May Not Occur	<b>Conditions to Avoid</b> High temperatures, direct sunlight, open flame, contamination, prolonged storage above 100°F, freezing conditions, oxidizing conditions, uv radiation, inert gas blanketing.
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<b>Conditions to Avoid</b> High temperatures, direct sunlight, open flame, contamination, prolonged storage above 100°F, freezing conditions, oxidizing conditions, uv radiation, inert gas blanketing.

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> 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.

Properties (Physical/Chemical) Affecting Disposal

NA

## 14. Transport Information

Regulated for shipping?

Yes  No

Proper Shipping Name

Ideal resin bonding agent

Packing Group

III / UN 1993 Combustible liquid, NOS

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

Yes  No

Hazard Class

Class 3

Identification Number

NA

Other

NA

## 15. Regulatory Information

Federal Regulations

NA

International Regulations

NA

Other

WHMIS CLASSIFICATION: B -3 Combustible liquid; D -2 Possible irritant/ sensitizer.  
NFPA HMIS RATING: Health: 2 Flammability: 1 Reactivity: 1

## 16. Other Information

Supplier Number: 6/52

Supplier Release: January 1, 2005

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.