



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
52-508-10

Product Name: Ortho Loc Primer Fluoride

Release Date: March 12, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Ortho loc primer w / Fluoride	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> NA	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 1565-94-2	<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	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	8-30
Morpholinoethyl methacrylate hydrofluoride	Xi; R 36 / 38-43	N/E	NA	1-5
Tetrahydrofurfuryl methacrylate	Xi; R 36 / 38-43	244-24-5	NA	15-40

## 3. Hazard Identification

<b>Emergency Overview</b> 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
<b>Medical Conditions Aggravated by Exposure</b> NA					
<b>Carcinogenicity (IARC, NTP)</b> NA					
<b>Potential Environmental Effects</b> 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
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> NA			



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
52-508-10

Product Name: Ortho Loc Primer Fluoride

Release Date: March 12, 2007

## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> >55°C / °F	<b>Flammable (Explosive) Limits in Air</b> LEL: N/D UEL: N/D	<b>Autoignition Temperature</b> NA	<b>Other</b> Self ignition: N/D
<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> Dry chemical powder, foam, or carbon dioxide.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> NA			
<b>Unusual Fire and Explosion Hazards</b> Upon combustion irritating gases may form.			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Wipe with damp paper towels, discard properly.
<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> This product is used exclusively for dental purposes by trained personnel.
<b>Storage Practices and Warnings</b> ( °C / °F). Store in ventilated, dry, cool (<22°C) place.

## 8. Exposure Control/Personal Protection

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



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
52-508-10

Product Name: Ortho Loc Primer Fluoride

Release Date: March 12, 2007

## 9. Physical and Chemical Characteristics

<b>Appearance</b> Viscous liquid. Color: Straw color.		<b>Odor</b> Slight acrylic 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 N/D <b>Melting Point</b> °C / °F N/A <b>Freezing Point</b> °C / °F NA
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> NA	<b>Solubility in Water</b> Insoluble	<b>pH</b> N/A
<b>Vapor Pressure (mm Hg @ 20°C)</b> N/D	<b>Vapor Density (AIR= 1)</b> N/D	<b>Evaporation Rate (Butyl Acetate = 1)</b> N/A
<b>Other</b> Density g/cc: >1; Volatile organic compounds: None.		

## 10. Stability and Reactivity Data

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

## 11. Toxicological Information

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

## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> N/A
--

## 13. Disposal Considerations

<b>Regulations</b> Dispose of waste product in a sanitary landfill.
<b>Properties (Physical/Chemical) Affecting Disposal</b> NA



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
52-508-10



Product Name: Ortho Loc Primer Fluoride

Release Date: March 12, 2007

## 14. Transport Information

<b>Regulated for shipping?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA		<b>Proper Shipping Name</b> Ortho loc primer Fluoride	<b>Packing Group</b> NA
<b>Do changes in quantity, packaging, or shipment method change product classification?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No NA		<b>Hazard Class</b> NA	<b>Identification Number</b> NA
<b>Other</b> Use normal and customary shipping and transportation methods.			

## 15. Regulatory Information

<b>Federal Regulations</b> Classification: Xi: Irritant. Content: Bisphenol diglycidylmethacrylate 15-40%, Triethyleneglycol dimethacrylate 8-30%, Morpholinoethyl methacrylate hydrofluoride 1-5%, Tetrahydrofurfuryl methacrylate 15-40%. 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.
<b>International Regulations</b> NA
<b>Other</b> NA

## 16. Other Information

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