



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
651006

Product Name: ORTHODONTIC RESIN POWDER

Release Date: March 6, 2007

1. Product and Company Identification

Trade Name & Synonyms Orthodontic resin powder	MSDS Code Number Refer to part number
Chemical Name NA	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) NA	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	C.A.S. Number	Exposure Limits	%
Benzoyl Peroxide	5	5	NA	NA	NA

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 irritation to the eyes.	NA	NA	It is not known to cause significant health problems. It is considered an inert or nuisance dust. May cause irritation to the eyes.	
Skin No	NA	NA	NA	NA	NA
Inhalation Yes	May cause irritation to the respiratory system.	NA	NA	NA	NA
Ingestion Yes	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure May cause skin irritation on contact.					
Carcinogenicity (IARC, NTP) NTP? Not listed. IARC Monographs? Not listed. OSHA REGULATED?: No					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush with water for at least 15 minutes, including under eyelids.	NA	NA
Skin	Wash with soap and water.	NA	NA
Inhalation	Remove to fresh air.	Get medical attention if discomfort persists.	NA
Ingestion	Rinse mouth with water.	Call doctor if amount was large.	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
651006

Product Name: ORTHODONTIC RESIN POWDER

Release Date: March 6, 2007

5. Fire and Explosion Data

Flashpoint & Method: 30°C TCC / °F	Flammable (Explosive) Limits in Air LEL: N/E UEL: N/E	Autoignition Temperature NA	Other NA
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health- , Flammability- , Reactivity- NA	
Extinguishing Media Water, carbon dioxide, dry chemical.		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air, producing a fire hazard and possible explosion hazard if exposed to ignition source.			
Unusual Fire and Explosion Hazards Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear self-contained breathing apparatus.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Sweep up to avoid slipping hazard. Keep airborne particles at a minimum when cleaning up spills.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings Observe normal warehousing procedures. Store away from food and beverages.
Storage Practices and Warnings (°C / °F). Store in a cool dry place. Keep container closed to prevent water absorption and contamination.

8. Exposure Control/Personal Protection

Ventilation Local exhaust at processing site.	Other Engineering Controls NA	
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Safety glasses	NA
Skin	Impervious gloves	NA
Inhalation	Nuisance dust type if needed.	NA
General Hygiene Considerations and Work Practices Observe normal care when working with chemicals.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Rubber apron.		



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
651006

Product Name: ORTHODONTIC RESIN POWDER

Release Date: March 6, 2007

9. Physical and Chemical Characteristics

Appearance White free flow powder.		Odor Apparent odor.
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> NA (Other)		Boiling Point °C / °F NA Melting Point °C / °F N/E Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) N/E	Solubility in Water Not soluble	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) Amines, strong oxidizing agents		
Hazardous Products Produced During Decomposition Methyl methacrylate and carbon monoxide and / or CO ₂ .		
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid Heat above 300°C / °F	
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid Heat above 300°C / °F	

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data NA
--

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



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
651006



Product Name: ORTHODONTIC RESIN POWDER

Release Date: March 6, 2007

14. Transport Information

Regulated for shipping? <input type="checkbox"/> Yes <input type="checkbox"/> No NA		Proper Shipping Name Orthodontic resin powder	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 NA			

15. Regulatory Information

Federal Regulations NA
International Regulations NA
Other NA

16. Other Information

Supplier Number: 2 / 53	Supplier Release: September 20, 1995.
N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.	