

MATERIAL SAFETY DATA SHEET
AM-1209

1. PRODUCT IDENTIFICATION

Material: AM-1209 QUICKMOUNT RESIN POWDER

Chemical Name or Synonyms: Polymethyl methacrylate

Supplier: Alpha Resources, Inc. Phone: 269-465-5559
3090 Johnson Road
Stevensville, MI 49127

2. PRODUCT COMPONENTS

COMPONENTS	CAS REG. NO.	WEIGHT (%)
Polymethyl methacrylate (PMMA)	9010-88-2	>95%
Benzyl peroxide	94-36-0	<5%

3. PHYSICAL PROPERTIES

Appearance:	Clear to opaque solid
Odor:	N/A
Viscosity:	N/A
Melting Point:	150° C/300° F
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A (Air =1)
Specific Gravity:	1.19 (Water =1)
pH:	N/A
Solubility in Water:	Negligible
Volatility:	Negligible (Weight %)
Evaporation Rate:	Negligible (Butyl Acetate = 1)

4. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point:	N/A
Auto Ignition Temperature:	445° C/833° F
Upper Explosion Limit (%):	N/A
Lower Explosion Limit (%):	N/A
Extinguishing Media:	Carbon dioxide, dry chemical, or water.
Fire Protection Equipment:	Wear self-contained, positive pressure breathing apparatus (MSHA/NIOSH approved, or equivalent) and full protective gear.

Unusual Fire and Explosion Hazard: Product is combustible thermoplastic material that burns vigorously with intense heat.

5. REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Temperatures above 570 °F
Incompatibility (Material to Avoid):	Strong acids and oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide depending on conditions of heating or burning.
Hazardous Polymerization:	Will not occur

6. HEALTH HAZARD DATA

Routes of Entry:

Skin:	Nuisance particulates may cause irritation.
Eyes:	Nuisance particulates may cause irritation.
Inhalation:	May cause irritation of the respiratory tract.
Ingestion:	Small quantities under normal circumstances would not cause harmful effects.

Carcinogenicity-NTP: No IARC Monographs: No OSHA Regulated Carcinogen: No

7. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air.
Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion: This material is not expected to be absorbed within the gastrointestinal tract, so induction of vomiting should not be necessary.
Skin Contact: If molten material contacts skin, cool rapidly with cold water and obtain medical attention for thermal burn.

8. REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Temperatures over 300° C/570° F.
Hazardous Decomposition Products: Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.
Incompatible Compounds: Acids, bases, and strong oxidizing agents.

9. SPILL OR LEAK INFORMATION

Sweep or scoop up and remove.

10. WASTE DISPOSAL

Landfill or incinerate at a facility that complies with local, state and federal regulations.

11. EXPOSURE CONTROLS/PERSONAL PROTECTION MEASURES

Respiratory Protection: None required under normal conditions. See Section 12.
Hand Protection: Canvas or cotton gloves.
Eye Protection: Safety glasses with side shields (ANSI Z87.1 equivalent).
Other Protection: N/A
Ventilation: Local exhaust ventilation systems should be constructed and installed in accordance with ANSI Z9.2 or ACGIH guidelines to control potential emissions near the source.

12. STORAGE AND HANDLING INFORMATION

Maximum Storage Temperature: 99° C/210° F (softening temperature).
Storage Measures: If material is stored under ambient temperature conditions, it is not hazardous. However, extensive storing at higher than the maximum temperature will emit vapors, carbon monoxide or carbon dioxide.
Handling Measures: Processing of the material under high temperatures will cause hazardous emissions of vapors, carbon monoxide or carbon dioxide. Blower collecting and local exhaust ventilation systems should be installed to prevent contaminant dispersion into the air. Sawing of this product generates particulates regulated as "inert" or "nuisance" dusts. To minimize dust emissions, engineering controls should be employed, such as baghouse filters and cyclone separators.

The information presented herein is believed to be factual and reliable. It is offered in good faith, but without guarantee, since conditions and methods for the use of our products are beyond our control. We recommend that the prospective user determine the suitability of our products and these suggestions before adopting them on a commercial scale.

Date Prepared: February 19, 2009
Prepared by: Scot Burns