

## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification:

Product Name: Koldmount Powder AM1201 (KIT), AM1204 (KIT), AM1202, AM1206

#### Company Information:

Alpha Resources, Inc.

3090 Johnson Road

Stevensville, MI 49127

Phone: (269) 465-5559

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Amount	CAS Number
POLY(METHYL METHACRYLATE)	99.0 %	9011-14-7
Benzoyl Peroxide	<1.0 %	94-36-0

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Solid granules. May evolve irritating fumes on processing or overheating.

#### POTENTIAL HEALTH EFFECTS

##### EYE:

May cause eye irritation.

##### SKIN:

Unlikely to cause skin irritation.

##### INHALATION:

Unlikely to be hazardous but dust or vapors may cause irritation.

##### INGESTION:

Low oral toxicity.

##### CHRONIC EFFECTS:

No evidence of adverse effects.

##### REPRODUCTIVE HAZARDS:

No evidence of adverse effects.

##### TARGET ORGAN:

None listed

##### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known.

### 4. FIRST AID MEASURES

#### EYE CONTACT FIRST AID:

Remove particles by irrigating with eye wash solution or lean water, holding the eyelids apart. Obtain medical attention.

SHIN CONTACT FIRST AID:

Wash with soap and water.

INHALATION FIRST AID:

Remove to fresh air. Obtain medical attention if ill effects occur.

INGESTION FIRST AID:

Get medical attention immediately. Wash mouth out with water. Obtain medical attention if ill effects occur.

MISCELLANEOUS:

Further medical treatment: symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: 304.0 C (579.2 F)

Auto-ignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

TUEL: N/A

FLAMMABLE PROPERTIES:

None.

EXTINGUISHING MEDIA:

Use water spray, foam, dry powder or CO2.

FIRE & EXPLOSION HAZARDS:

Combustible, but not readily ignited. May form explosible dust clouds in air. May decompose if heated about 200 C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.

FIRE FIGHTING INSTRUCTIONS:

A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Spillages may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

LARGE OR SMALL SPILLS PROCEDURE:

Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with skin and eyes. Avoid inhalation of high concentration of dusts.

#### HANDLING (PHYSICAL ASPECTS):

Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.

Storage Temperature: ambient

#### STORAGE PRECAUTIONS:

Process hazards. Care should be taken to prevent burns from contact with hot material. All polymers degrade to some extent if overheated, an effect which increases with increasing temperature. It is therefore impossible to be precise about which substances may be involved. However, it is only the minor components which vary substantially. See Stability & Reactivity section.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

Local Exhaust.

#### EYE / FACE PROTECTION REQUIREMENTS:

The use of eye protection is recommended. An approved dust mask should be worn if exposure to high levels of dust are likely.

#### SKIN PROTECTION REQUIREMENTS:

Butyl rubber gloves.

#### RESPIRATORY PROTECTION REQUIREMENTS:

An approved dust mask should be worn if exposure to high levels of dust are likely.

#### EXPOSURE GUIDELINES:

POLY (METHYL METHACRYLATE)

Recommended Exposure Limit: 5 mg/m<sup>3</sup>

BENZOYL PEROXIDE

OSHA PEL: 5 mg/m<sup>3</sup>

OSHA TWA: 5 mg/m<sup>3</sup>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM : Powder

COLOR : White

ODOR : No odor

SOLUBILITY IN WATER : Negligible

SPECIFIC GRAVITY : 1.125 (Water=1)

### 10. STABILITY AND REACTIVITY

#### STABILITY:

Stable.

#### POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong acids and oxidizing bases, oxidizing light.

DECOMPOSITION:

Methyl Methacrylate and Carbon Monoxide, depending on condition of heating or burning.

CONDITIONS TO AVOID:

Temperatures above 570 F

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Dust may cause irritation.

SKIN EFFECTS;

Unlikely to cause skin irritation.

ACUTE ORAL EFFECTS:

Low oral toxicity.

ACUTE INHALATION EFFECTS:

Unlikely to be hazardous by inhalation.

MISCELLANEOUS:

High concentrations of dust may be irritant to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation to the respiratory track, and slight narcotic effect.

Long term exposure: This material has been in use for many years with no evidence of adverse effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

The product is non-biodegradable in soil. There is not evidence of degradation in soil and water. The product is predicted to have low toxicity to aquatic organisms.

ENVIRONMENTAL FATE:

High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

MISCELLANEOUS:

The product is anticipated to be poorly removed in biological treatment processes.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Clean scrap may be reprocessed. Incineration may be used to recover energy value. May be disposed of in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Koldmont Powder

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger: Irritant (Xi)

R-Phrases:

R36/37 - Irritating to eyes and respiratory system.

S-Phrases:

S15 - Keep away from heat

S25 - Avoid contact with eyes

WHIMS Hazard Symbols: None

Canadian Disclosure List:

Benzoyl Peroxide (94-36-0)

SARA Title III - Section 313

Benzoyl Peroxide (94-36-0)

Title V

Benzoyl Peroxide (94-36-0)

16. OTHER INFORMATION

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Date Prepared: January 11, 2013

Prepared by: Ken Mantei