KOLDMOUNT POWDER

Alpha Resources LLC

Safety Data Sheet

Issue Date: 08/11/2021

SECTION 1 Identification

Product Identifier

Product Name	KOLDMOUNT POWDER
Chemical Name	Not Applicable
Part Numbers	AM1201, AM1202, AM1204, AM1206
Chemical Formula	Not Applicable
CAS Number	Not Applicable

Company Information

Registered Company Name	Alpha Resources LLC
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Email	sales@alpharesources.com

Emergency Phone Number

Association / Organization	CHEMTREC
Emergency Telephone No.	(800) 424-9300

SECTION 2 Hazard(s) Identification

Classification of the Substance or Mixture

NFPA 704 Diamond

Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health, Red = Fire, Yellow = Reactivity, White = Special (Oxidizer or water reactive substances)

Classification	Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Reproductive Toxicity Category 2, Specific target organ toxicity – single exposure Category 3 (respiratory tract irritation), Chronic Aquatic Hazard Category 2, Flammable Liquid Category 4

Label Elements

Hazard Pictogram(s)	
Signal Word	Warning

Hazard Statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

Hazard(s) not Otherwise Classified

Not applicable

Precautionary Statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves, protective clothing, eye protection and face protection
P261	Avoid breathing mist/vapors/spray
P264	Wash all exposed external body areas thoroughly after handling
P273	Avoid release to the environment
P272	Contaminated work clothing should not be allowed out of the workplace

Precautionary Statement(s) Response

P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with plenty of water and soap
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P391	Collect spillage
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statement(s) Storage

P403+P233	Store in a well-ventilated place; Keep container tightly closed
P405	Store locked up

Precautionary Statement(s) Disposal

P501	Dispose of contents/container to authorized hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / Information on Ingredients

Substances

CAS No	%[weight]	Name
9011-14-7	>90	Methyl methacrylate homopolymer
94-36-0	<1	Dibenzoyl peroxide

SECTION 4 First-Aid Measures

Description of First Aid Measures

Eye Contact	If this product comes in contact with the eyes: ➢ Wash out immediately with fresh running water. ➢ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ➢ Seek medical attention without delay; if pain persists or recurs seek medical attention.
Skin Contact	If skin contact occurs: ➢ Immediately remove all contaminated clothing, including footwear. ➢ Flush skin and hair with running water (and soap if available).

	➢ Seek medical attention in event of irritation.
Inhalation	➢ If fumes or combustion products are inhaled remove from contaminated area. ➢ Lay patient down. Keep warm and rested. ➢ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device or pocket mask as trained. ➢ Perform CPR if necessary. ➢ Transport to hospital or doctor without delay.
Ingestion	➢ Immediately give a glass of water. ➢ First aid is not generally required. If in doubt, contact a Poison Center or a doctor

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5 Fire-Fighting Measures

Extinguishing Media

- Do NOT direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.
- Foam, dry chemical, CO2, or water spray.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidizing agents, i.e., nitrates, oxidizing acids, chlorine bleaches, pool chlorine, etc., as ignition may result.

Special protective equipment and precautions for fire-fighters

Fire Fighting	➢ Alert fire department and tell them location and nature of hazard. ➢ Wear breathing apparatus plus full protective clothing. ➢ Prevent, by any means available, spillage from entering drains or water courses. ➢ Use water delivered as a fine spray to control fire and cool adjacent area. ➢ Cool fire exposed containers with water spray from a protected location. ➢ Equipment should be thoroughly decontaminated after use.
Fire / Explosion Hazard	➢ Combustible solid which burns but propagates flame with difficulty. ➢ High concentrations of dust in air may be explosive. ➢ Combustion products include carbon monoxide, carbon dioxide, aldehydes, and other pyrolysis products typical of burning organic material. ➢ NOTE: Burns with intense heat. Produces melting, flowing, burning liquid and dense acrid black smoke.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	➢ Environmental hazard – contain spillage. ➢ Clean up all spills immediately. ➢ Avoid contact with skin and eyes. ➢ Wear impervious gloves and safety glasses. ➢ Use dry clean up procedures and avoid generating dust.

	➢ Vacuum up. ➢ Do NOT use air hoses for cleaning. ➢ Place spilled material in clean, dry, sealable, labelled container for waste disposal.
Major Spills	➢ Moderate hazard. ➢ Control personal contact by wearing protective clothing. ➢ Prevent, by any means available, spillage from entering drains or water courses. ➢ Recover product wherever possible. ➢ IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal. IF WET: Vacuum/Shovel up and place in labelled containers for disposal. ➢ ALWAYS: Wash area down with large amounts of water and prevent runoff into drains.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and Storage

Precautions for safe handling

Safe Handling	➢ Avoid all personal contact, including inhalation. ➢ Use in a well-ventilated area. ➢ Wear protective clothing when risk of exposure occurs. ➢ Use in a well-ventilated area. ➢ DO NOT allow material to contact humans, exposed food, or food utensils. ➢ Avoid contact with incompatible materials. ➢ When handling, DO NOT eat, drink, or smoke. ➢ Keep containers securely sealed when not in use. ➢ Avoid physical damage to containers. ➢ Always wash hands with soap and water after handling.
Other Information	➢ Store in original containers. ➢ Keep containers securely sealed as supplied. ➢ Store in a cool, dry, well-ventilated area protected from environmental extremes. ➢ Store away from incompatible materials and foodstuff containers.

Conditions for safe storage, including any incompatibilities

Suitable Container	❖ Polyethylene or polypropylene container. ❖ Check all containers are clearly labelled and free from leaks.
Storage Incompatibility	❖ Avoid reaction with oxidizing agents.

SECTION 8 Exposure Controls / Personal Protection

Control parameters

❖ **Occupational Exposure Limits (OEL)**

❖ **INGREDIENT DATA**

❖ Source	Ingredient	Material name	TWA	STEL	Peak
US OSHA Permissible Exposure Levels (PELs) – Table Z-3	Dibenzoyl peroxide	Respirable fraction (Inert or Nuisance Dust)	5 mg/m3	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) – Table Z-3	Dibenzoyl peroxide	Total Dust (Inert or Nuisance Dust)	15 mg/m3	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) – Table Z-1	Dibenzoyl peroxide	Benzoyl peroxide	5 mg/m3	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	Dibenzoyl peroxide	Benzoyl peroxide	5 mg/m3	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	Dibenzoyl peroxide	Benzoyl peroxide	5 mg/m3	Not Available	Not Available

❖ **Emergency Limits**

Ingredient	TEEL-1	TEEL-2	TEEL-3
Dibenzoyl peroxide	15 mg/m3	1,200 mg/m3	7,000 mg/m3

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Ingredient	Original IDLH	Revised IDLH
Methyl methacrylate	Not Available	Not Available
Dibenzoyl peroxide	1,500 mg/m3	Not Available

Exposure Controls

Engineering Controls	➢ Exhaust ventilation should be designed to prevent accumulation and recirculation in the workplace and safely remove dust from the air. ➢ Provide eye wash stations and a water source or safety shower.
Personal Protection	
Eye and Face Protection	➢ Safety glasses with side shields. ➢ Chemical goggles. ➢ Eye wash unit.
Skin and Body Protection	➢ Overalls. ➢ PVC apron. ➢ Barrier cream. ➢ Skin cleansing cream. ➢ Safety shower.
Hand Protection	➢ Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. ➢ Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. ➢ Wear chemical protective gloves, e.g. polychloroprene, nitrile rubber, butyl rubber, fluorocaoutchouc, polyvinyl chloride. ➢ Gloves should be examined for wear and/or degradation constantly.
Respiratory Protection	➢ Type A-P filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, ANSI Z88 or national equivalent)

SECTION 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	White powder with no odor; insoluble in water.
Physical State	Divided solid
Odor	Not available
Flash Point (°C)	340 (COC)
Relative Density (Water = 1)	1.125
Solubility in Water	Immiscible

SECTION 10 Stability and Reactivity

Reactivity	See section 7
Chemical Stability	➢ Unstable in the presence of incompatible materials. ➢ Product is considered stable. ➢ Hazardous polymerization will not occur.
Possibility of Hazardous Reactions	See section 7
Conditions to Avoid	See section 7
Incompatible Materials	See section 7
Hazardous Decomposition Products	See section 5

SECTION 11 Toxicological Information

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Information on toxicological effects

Inhaled	Inhalation of dust may cause irritation of the nose, throat, and upper respiratory tract.
Ingestion	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Skin Contact	Dust may cause irritation, redness, rash, and swelling. Individuals with sensitivity to methacrylates may develop an allergic reaction.
Eye	Dust may cause irritation.
Chronic	Prolonged or repeated overexposure may cause skin irritation or sensitization in some individuals.

Methyl methacrylate homopolymer	Toxicity – Not Available Irritation – Not Available
Dibenzoyl peroxide	Toxicity – Dermal (Mammal) LD50; >1000 mg/kg Toxicity – Oral (Rat) LD50; >950 mg/kg Irritation – Eye (Rabbit): 500 mg/24 h – mild Irritation – Skin effects (MAK): very weak

Acute Toxicity	X	Carcinogenicity	X
Skin Irritation/Corrosion	√	Reproductivity	X
Serious Eye Damage/Irritation	√	STOT – Single Exposure	√
Respiratory or Skin Sensitization	√	STOT – Repeated Exposure	X
Mutagenicity	X	Aspiration Hazard	X

Legend: X *– Data either not available or does not fill the criteria for classification*
√ *- Data available to make classification.*

SECTION 12 Ecological Information

Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
Dibenzoyl peroxide	EC10(ECx)	504	Crustacea	0.001 mg/L	1
	EC50	72	Algae or other aquatic plants	0.042 mg/L	1
	LC50	96	Fish	0.06 mg/L	1
	EC50	48	Crustacea	0.11 mg/L	1

[1] Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity

DO NOT discharge into sewer or waterways

Persistence and Degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Methyl methacrylate homopolymer	LOW (Half-life = 56 days)	LOW (Half-life = 0.4 days)
Dibenzoyl peroxide	LOW (Half-life = 14 days)	LOW (Half-life = 21.25 days)

Bioaccumulative Potential

Ingredient	Bioaccumulation
Methyl methacrylate homopolymer	LOW (LogKOW = 1.2751)
Dibenzoyl peroxide	LOW (LogKOW = 3.46)

Mobility in Soil

Ingredient	Mobility
Methyl methacrylate homopolymer	LOW (KOC = 10.14)
Dibenzoyl peroxide	LOW (KOC = 771)

SECTION 13 Disposal Considerations

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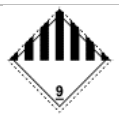
Waste Treatment Methods

Product / Packaging Disposal	➢ Containers may still present a chemical hazard/danger when empty. ➢ Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. ➢ This material may be recycled if unused, or if it has not been contaminated to make it unsuitable for its intended use. ➢ DO NOT allow wash water from cleaning or process equipment to enter drains. ➢ It may be necessary to collect all wash water for treatment before disposal. ➢ In all cases, disposal to sewer may be subject to local laws and regulations and these should be considered first.

SECTION 14 Transport Information

Labels Required

	
Marine Pollutant	

Land transport (DOT):

UN Number	3077
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains methyl methacrylate homopolymer)
Transport hazard class(es)	9
Packing group	III
Environmental hazard	Environmentally hazardous
Special precautions for user	Hazard Label – 9 Special Provisions – 8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20, N91, T1, TP3

For Individual Packages of Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 that contain LESS THAN the reportable quantity (5000 lbs) – Not Regulated.

For Individual Packages of Environmentally Hazardous Substances meeting the descriptions of UN3077 or UN3082 that contain MORE THAN the reportable quantity (5000 lbs) – Regulated and classified as below:

Air transport (ICAO-IATA / DGR)

UN Number	3077
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. *(contains methyl methacrylate homopolymer)
Transport hazard class(es)	9 ERG Code 9L
Packing group	III
Environmental hazard	Environmentally hazardous
Special precautions for user	Special Provisions – A97, A158, A179, A197, A215 Cargo Only Packing Instructions – 956 Cargo Only Maximum Qty / Pack – 400 kg Passenger and Cargo Packing Instructions – 956 Passenger and Cargo Maximum Qty / Pack – 400 kg Passenger and Cargo Limited Quantity Packing Instructions – Y966 Passenger and Cargo Limited Maximum Qty / Pack – 30 kg G

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Sea transport (IMDG-Code / GGVSee)

UN Number	3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains methyl methacrylate homopolymer)
Transport hazard class(es)	9
Packing group	III
Environmental hazard	Marine Pollutant
Special precautions for user	EMS Number – F-A, S-F Special Provisions – 274, 335, 966, 967, 969 Limited Quantities – 5 kg

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product Name	Group
Methyl methacrylate homopolymer	Not Available
Dibenzoyl peroxide	Not Available

Transport in bulk in accordance with the ICG Code

Product Name	Ship Type
Methyl methacrylate homopolymer	Not Available
Dibenzoyl peroxide	Not Available

SECTION 15 Regulatory Information

Safety, Health, and Environmental Regulations / Legislation Specific for the Substance or Mixture

❖ **methyl methacrylate homopolymer is found on the following regulatory lists**

International Agency for Research on Cancer (IARC) – Agents Classified by the IARC Monographs
US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule
US Toxic Substances Control Act (TSCA) – Chemical Substance Inventory

❖ **dibenzoyl peroxide is found on the following regulatory lists**

International Agency for Research on Cancer (IARC) – Agents Classified by the IARC Monographs
US ACGIH Threshold Limit Values (TLV)
US ACGIH Threshold Limit Values (TLV) - Carcinogens
US DOE Temporary Emergency Exposure Limits (TEELs)
US EPCRA Section 313 Chemical List
US NIOSH Recommended Exposure Limits (RELs)
US OSHA Permissible Exposure Limits (PELs) Table Z-1
US OSHA Permissible Exposure Limits (PELs) Table Z-3
US Toxic Substances Control Act (TSCA) – Chemical Substance Inventory
US TSCA Chemical Substance Inventory – Interim List of Active Substances

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

❖ **Section 311/312 hazard categories**

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No

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Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid, or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

- **US EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

  None Reported

State Regulations

- **US California Proposition 65**

  None Reported

National Inventory Status

National Inventory	Status
Australia – AIIC / Australia Non-Industrial Use	Yes
Canada – DSL	Yes
Canada – NDSL	No (methyl methacrylate homopolymer; dibenzoyl peroxide)
China – IECSC	Yes
Europe – EINEC / ELINCS / NLP	No (methyl methacrylate homopolymer)
Japan – ENCS	Yes
Korea – KECI	Yes
New Zealand – NZIoC	Yes
Philippines – PICCS	Yes
USA – TSCA	Yes
Taiwan – TCSI	Yes
Mexico – INSQ	Yes
Vietnam – NCI	Yes
Russia – FBEPH	Yes
Legend:	*Yes = All CAS declared ingredients are on the inventory* *No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)*

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SECTION 16 Other Information

Revision Date	08/11/2021
Initial Date	07/24/2018

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources LLC 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.