

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Magnesium Perchlorate

AR 171, AR1171

Alpha Resources, Inc.
P.O. Box 199
Stevensville, MI 49127
Phone: 269-465-5559

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
10034-81-8	>92	Magnesium Perchlorate	Not given	Not given.
7732-18-5	<8	Water	Not estab.	Not estab.

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: May cause irritation.

INHALATION: May be irritating to nasal passages.

INGESTION: Toxicity is low and indeterminate.

CHRONIC OVEREXPOSURE: Not available.

ACUTE OVEREXPOSURE: May lead to dermatitis externally or diarrhea internally.

MEDICAL CONDITIONS AGGRAVATED: Not available

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Seek medical attention.

INHALATION: Removed to fresh air immediately.

SKIN: Wash skin with plenty of soap and water.

INGESTION: Give water or milk. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Smoke/fumes.

EXTINGUISHING MEDIA: Water.

FIREFIGHTING INSTRUCTIONS: Wear a self-contained breathing apparatus. May cause fire or combustion with combustibles or organic matter. Avoid inhalation of smoke or fumes.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Wash up spill thoroughly with water. Disposal to drain. If spilled on wooden floor, wash up thoroughly with water and remove flooring for disposal.

7. HANDLING AND STORAGE

HANDLING: No special precautions.

STORAGE: Keep container closed. Store away from organics, combustibles, strong acids and powdered metals. Do not use to dry organic liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust necessary by use.

RESPIRATORY PROTECTION: Dust mask.

SKIN AND HAND PROTECTION: Rubber gloves.

EYE AND FACE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white granules and powder.

BOILING POINT: N/A

FREEZE-MELT POINT: 482 F (250 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Very soluble with evolution of heat. (Deliquescent)

SPECIFIC GRAVITY: 2.21

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable. Strong dehydrating agent and potentially strong oxidant.

INCOMPATIBILITY: Do not heat with organic matter, flammables or combustibles.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke/fumes. Contact with strong mineral acids may liberate anhydrous perchloric acid which is an explosion hazard.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

None reported.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations. Do not incinerate. Do not mop up with paper towels or cotton.

14. TRANSPORTATION INFORMATION

USA DOT: Magnesium Perchlorate, 5.1 (Oxidizer), UN1475, PG II, IMDG page No. 65.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Fire, Acute

Section 313 Toxic Chemicals: None

CANADAIN REGULATIONS

WHMIS: C, D2A, D2B

16. OTHER INFORMATION

Hazard Index : (0 – 4, 4 = Extreme) (NFPA)

Health: 1 Fire: 0 Reactivity: 3

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.

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