

Material Safety Data Sheet



Revision 004.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Alaskrete© **IDH Number:** 702181
Product Type: Cementitious **Item Number:** 95551-10417000
Restriction of Use: None identified **Region:** United States

Company Address: APUN LLC.
2130 E. Dimond Blvd.
Anchorage AK 99507
Telephone: 907-336-7958 WWW.APUNAK.COM

Contact Information:
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical State:	Powder	HMIS:	
Color:	Gray	Health:	1
Odor:	None	FLAMMABILITY:	0
SKIN IRRITATION	2	PHYSICAL HAZARD:	0
EYE IRRITATION	2B	Personal Protection:	See MSDS Section B
CARCINOGENICITY	1A		
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	1		

WARNING: INHALATION OF DUST MAY CAUSE LUNG DAMAGE. INHALATION OF DUST CAN CAUSE CANCER. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

PICTOGRAM (S)



Relevant Routes of Exposure: Inhalation, Eyes

POTENTIAL HEALTH EFFECTS:

Inhalation: Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis. May cause respiratory tract irritation, shortness of breath, coughing.

Skin Contact: Not expected to be a hazard.

Eye Contact: May cause irritation, excess tearing, and redness.

Ingestion: Not expected under normal conditions of use.

Existing Conditions Aggravated By Exposure: Eye disorders, Respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910-1200)

Precautionary Statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or fumes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. Use personal protective equipment as required.

Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. IF EXPOSED OR CONCERNED: Get medical attention. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/provincial and local government regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS). **See Section 11 for additional toxicological information.**

3. COMPOSITION /INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PERCENTAGE*
Magnesium Oxide	1309-48-4	10-30
Quartz (SiO2)	14808-60-7	60-100

*Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical Attention.

Skin Contact: Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available.) Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Symptoms: See Section 11.

5. FIRE FIGHTING MEASURES

Flash Point: Does not flash

Extinguishing Media: Will not burn.

Special Firefighting Procedures:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:

Not available.

Hazardous combustion products:

Magnesium Oxide fumes. Toxic fumes. Irritating vapors.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Do not allow product to enter sewer or waterways.
Clean-Up Methods: Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls/Personal Protection" prior to clean up. Ventilate area. Sweep up spilled material. Avoid creating dust. Store in a closed container until ready for disposal.

7. HANDLING AND STORAGE

Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. Avoid dust formation. Keep container closed. Refer to Section 8.
Storage: Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Keep away from heat, spark and flame. Avoid moisture

For information on product shelf life contact Apun Customer service at (907) 336-7958

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Magnesium Oxide	10 mg/m ³ TWA inhalable fraction.	15 mg/m ³ PEL Total particulate.	None	None
Quartz (SiO ₂)	0.025 mg/m ³ TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m ³ TWA Respirable. 0.3 mg/m ³ TWA Total dust.	None	None

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Respiratory Protection: Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

Eye/Face protection: Safety goggles or safety glasses with side shields. Safety showers and eye wash stations should be available.

Skin Protection: Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Color:	Gray
Odor:	None
Odor Threshold:	Not available
pH:	Not available
Vapor Pressure:	Not available
Boiling point/range:	2,046 °C (3,714.8 °F) (1,013 hPa)
Melting point/range:	1,528 °C (2,800.4 °F)
Specific gravity:	2.65 -2.85
Vapor Density:	Nil
Flash Point:	Does not Flash
Flammable/Explosive limits – lower:	Not available
Flammable/Explosive limits – upper:	Not available
Auto-ignition temperature:	Not available
Evaporation rate:	0
Solubility in Water:	Practically insoluble
Partition coefficient (n-octanol/water):	Not available
VOC Content:	< 1.0 %; < 10 g/l (value as mixed for use estimated)
Viscosity:	Not available
Decomposition temperature:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use
Hazardous Reactions:	None under normal processing
Hazardous decomposition products:	Magnesium Oxide fumes. Toxic Fumes. Irritating vapors. Silicon tetrafluoride, acrid smoke and fumes.
Incompatible Materials:	Acids, strong oxidizing agents. Oxidizers, halogenated compounds, Aluminum
Conditions to avoid:	Store away from incompatible materials.
Reactivity:	Not available.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes
Potential Health Effects/Symptoms:	
Inhalation:	Inhalation of vapors or mists of the product may be irritating to the respiratory system. Chronic exposure to dust containing quartz silica in excess of exposure limits can cause silicosis. Shortness of breath. Coughing.
Skin Contact:	Causes skin irritation
Eye Contact:	Causes eye irritation. Excess tearing. Redness.
Ingestion:	Not expected under normal conditions of use.

Hazardous Components	LD50s and LC50s	Immediate and Delayed Health Effects	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Magnesium Oxide	None	Blood, Central Nervous system, Immune system, irritant	No	No	No
Quartz (SiO ₂)	None	Immune system, Lung, Some evidence of carcinogenicity	Known to be Human Carcinogen	Group 1	No

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Not Available

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal

Hazardous waste Number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification Number: None
Packing group: None

International air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification Number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification Number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information:

TSCA 8(b) Inventory Status: All components are listed or are exempt from listing on the Toxic substances Control Act Inventory.

TSCA 129b) Export Notification: None above reporting de Minimis

CERCLA/SARA Section 302 EHS: None above reporting de Minimis

CERCLA/SARA Sections 311/312:	Immediate Health, Delayed Health
CERCLA/SARA Section 313:	None above reporting de Minimis
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.
Canada Regulatory Information:	
CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances list
WHMIS Hazard Class:	D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared By: Lisa Bond, Manager, Regulatory Affairs
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