



SAFETY DATA SHEET

Effective Date: 04/19/2019

Replaces: 11/01/2016

Nepheline Syenite

1. Identification	
Product name: Nepheline Syenite	
Other means of identification/Synonyms/Common Names: Feldspar, anhydrous sodium potassium alumino silicate	
Recommended use: Nepheline syenite is used as a construction material.	
Recommended restrictions: None Known	
Manufacturer/Contact info: Granite Mountain Quarries 1010 Shamburger Lane Little Rock, AR 72206	General Phone Number: 1-501-490-1535 Emergency Phone Number (24 hours/day, 7 days/week): US & Canada: 1-800-451-8346 / Contract #16839 Outside US & Canada: +1-760-602-8703 Website: www.gmqrock.com

2. Hazard(s) Identification	
Physical hazard classifications: Not Classified	Health hazard classifications: Not Classified
Symbol: None	Signal word: None
	Hazard statement: None
Precautionary statement: None	
Hazards Not Otherwise Classified: None Known	
Supplemental information: Feldspar is a naturally occurring aluminum silicate mineral rock containing varying amounts of sodium, calcium, potassium, and iron. This product does not contain detectable amounts of crystalline silica. Nepheline syenite is a naturally occurring mineral complex. In its natural bulk state, nepheline syenite is not a known health hazard. It may be subjected to various natural or mechanical forces that produce small particles (dust) which are considered nuisance dusts (<0.1% crystalline silica) using personal protection and controls identified in Section 8 of this SDS as appropriate.	

3. Composition/information on ingredients		
Chemical name	CAS number	%
Nepheline syenite	37244-96-5	100
Quartz (crystalline silica)	14808-60-7	<0.1

4. First-aid measures
Inhalation: Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or if breathing is difficult.
Eyes: Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eye(s). Contact a physician if irritation persists or later develops.
Skin: Wash affected areas thoroughly with mild soap and fresh water. Contact a physician if irritation persists.
Ingestion: If person is conscious do not induce vomiting. Give large quantity of water and get medical attention. Never attempt to make an unconscious person drink.
Most important symptoms/effects, acute and delayed: Dust may irritate the eyes, skin, and respiratory tract.
Indication of immediate medical attention and special treatment needed: For emergencies contact (24 hours/day, 7 days/week): US & Canada: 1-800-451-8346 / Contract #16839 Outside US & Canada: +1-760-602-8703

5. Fire-fighting measures
Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media: None known.
Specific hazards arising from the chemical: Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).
Special protective equipment and precautions for firefighters: Use protective equipment appropriate for surrounding materials.
Fire-fighting equipment/instructions: No unusual fire or explosion hazards noted. Not a combustible dust.
Specific methods: The presence of this material in a fire does not hinder the use of any standard extinguishing medium. Use extinguishing medium for surrounding fire.
6. Accidental release measures
Personal precautions, protective equipment and emergency procedures: Persons involved in cleanup processes should first observe precautions (as appropriate) identified in Section 8 of this SDS.
For emergencies contact (24 hours/day, 7 days/week): US & Canada: 1-800-451-8346 / Contract #16839 Outside US & Canada: +1-760-602-8703
Environmental precautions: Prevent from entering into sewers or drainage systems where it can harden and clog flow.
Methods and materials for containment and cleaning up: Spilled material, where dust is generated, may overexpose cleanup personnel to airborne dusts. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

7. Handling and storage

Precautions for safe handling:

Dust may be generated during processing, handling, and storage. Use personal protection and controls identified in Section 8 of this MSDS as appropriate.

Conditions for safe storage, including any incompatibilities:

Do not store near food, beverages, or smoking materials.

8. Exposure controls/personal protection

Legend:

NE = Not Established; PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; REL = Recommended Exposure Limit; STEL= Short Term Exposure Limit; OSHA = Occupational Safety and Health Administration; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; ACGIH = American Conference of Governmental Industrial Hygienists; AL=Action Level.

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Particulates not otherwise classified	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (inhalable fraction) 3 mg/m ³ (respirable fraction)	NE

Exposure Guidelines:

Respirable dust levels should be monitored regularly to determine worker exposure levels. Exposure levels in excess of allowable exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation, process enclosure, and enclosed employee workstations.

Engineering Controls:

Activities that generate dust require the use of general ventilation, local exhaust and/or wet suppression methods to maintain exposures below allowable exposure limits.

Eye Protection:

Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated.

Skin Protection (Protective Gloves/Clothing):

Use gloves to provide hand protection from abrasion. In dusty conditions, use long sleeve shirts. Wash work clothes after each use.

Respiratory Protection:

All respirators must be NIOSH-approved for the exposure levels present. (See NIOSH Respirator Selection Guide). The need for respiratory protection should be evaluated by a qualified safety and health professional. Activities that generate dust require the use of an appropriate dust respirator where dust levels exceed or are likely to exceed allowable exposure limits. Respirator use must comply with applicable MSHA (42 CFR 84) or OSHA (29 CFR 1910.134) standards, which include provisions for a user training program, respirator inspection, repair and cleaning, respirator fit testing, medical surveillance and other requirements.

9. Physical and chemical properties

Appearance:

Solid white powder or granules

Odor: No odor.	PH: Not applicable	Decomposition temperature: Not applicable
Melting point/freezing point: 1223°C/2233°F	Initial boiling point and boiling range: Not applicable	Flash point: Non-combustible
Evaporation rate: Not applicable	Flammability: Not applicable	Upper/lower flammability or explosive limits: Not applicable
Vapor pressure: Not applicable	Relative density: 2.61	Solubility: 0
Partition coefficient: n-octanol/water. Not applicable	Autoignition temperature: Not applicable	

10. Stability and reactivity
Reactivity: Not reactive under normal use.
Chemical stability: Stable under normal temperatures and pressures.
Possibility of hazardous reactions: None under normal use.
Conditions to avoid (e.g., static discharge, shock or vibration): Contact with incompatible materials should be avoided (see below). See Sections 5 and 7 for additional information.
Incompatible materials: None known
Hazardous decomposition products: None known

11. Toxicological information
Primary Routes of Exposure: Inhalation and contact with the eyes and skin.
Symptoms related to the physical, chemical, toxicological characteristics: Inhalation: Dusts may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing sneezing and shortness of breath may occur. Symptoms of bronchitis may include (but are not limited to) shortness of breath, greater than normal amounts of mucous in airways; coughing.
Eye Contact: Dust particles can scratch the eye causing tearing, redness, a stinging or burning feeling, or swelling of the eyes with blurred vision.
Skin Contact: Dust particles can scratch and irritate the skin with redness, an itching or burning feeling, swelling of the skin, and/or rash.
Ingestion: Expected to be practically non-toxic. Ingestion of large amounts may cause gastrointestinal irritation including nausea, vomiting, diarrhea, and blockage.
Delayed and immediate effects and also chronic effects from short- and long-term exposure: Prolonged and repeated breathing of respirable dust in excess of allowable exposure limits may cause chronic bronchitis and lung damage.
Carcinogenicity: Nepheline syenite is not listed as a carcinogen by IARC, NTP or OSHA.
Additional toxicological information: No specific data on product. Classification is based on components or similar materials. Acute toxicity: Not classified Skin corrosion/irritation: Not classified Serious eye damage/eye irritation: Not classified Respiratory sensitization: Not classified Skin sensitization: Not classified Germ cell Mutagenicity: Not classified Carcinogenicity: Not classified Reproductive toxicity: Not classified Specific target organ toxicity - single exposure: Not classified Specific target organ- toxicity – repeated exposure: Not classified Aspiration toxicity: Not classified (not applicable- solid material)

12. Ecological information
Ecotoxicity (aquatic and terrestrial, where available): Not applicable
Persistence and degradability: Not applicable
Bioaccumulative potential. Not applicable
Mobility in soil. Not applicable
Other adverse effects. Not applicable

13. Disposal considerations
Safe handling and disposal of waste: Place contaminated materials in appropriate containers and dispose of in a manner consistent with applicable federal, state, and local regulations. Prevent from entering drainage, sewer systems, and unintended bodies of water. It is the responsibility of the user to determine, at the time of disposal, whether product meets criteria for hazardous waste. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

14. Transport information
UN Number: Not regulated
UN Proper shipping name: Not regulated
Transport Hazard class: Not applicable
Packing group, if applicable: Not applicable
Marine pollutant (Yes/No): Not applicable

15. Regulatory information
Toxic Substances Control Act (TSCA): The components in this product are listed on the TSCA Inventory or are exempt.
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act.
Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III: <u>Section 302 extremely hazardous substances:</u> None <u>Section 311/312 hazard categories:</u> None <u>Section 313 reportable ingredients at or above de minimis concentrations:</u> None
California Proposition 65: This product contains a chemical (crystalline silica) known to the State of California to cause cancer.
State Regulatory Lists: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply.

16. Other information

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