

Safety Data Sheet
For
K&E White Lightning

Section 1- Product Information

Product Identifier: Nepheline Syenite
Other Means of Identification: White Lightning
Synonyms: Anhydrous sodium potassium alumino silicate, Inorganic feldspathic mineral
Recommended Use: Sandblasting, Traction Media, various commercial & industrial uses
Restrictions on Use: None Known
Canadian Supplier:
K&E Sand and Gravel, 4359 London Line, PO Box 369, Wyoming, ON N0N 1T0
Emergency Telephone Number: See Above

Section 2-Hazardous Identification

GHS/Hazardous 2012 Classification:

Physical:	Health:	Environmental:
Not Hazardous	Not Hazardous	Not Hazardous

This product is not considered hazardous. GHS/Hazcom 2012 Label: Not hazardous in accordance with 29CFR 1910. 1200 (Hazcom 2012) and the GHS.

Section 3- Composition/Information on Ingredients

CAS#:	Component:	Percentage:
37244-46-5	Nepheline Syenite	100%

Section 4- First-Aid Measures

Inhalation: Remove affected person(s) to fresh air. Apply oxygen if difficulty breathing and consult a professional immediately.

Ingestion: Rinse mouth with water. If large amounts are swallowed, get immediate medical attention.

Skin Contact: Wash exposed skin, gently with soap and lukewarm water.

Eye Contact: Immediately flush eyes thoroughly with lukewarm water for at least 15 minutes while lifting the eye lids occasionally. Do not rub eyes. If irritation persists, seek medical attention.

Most Important Symptoms / Effects, Acute and Delayed: May cause eye irritation with redness and tearing.

Immediate Medical Attention and Special Treatment: None required.

Section 5- Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Non-combustible. Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Product: This product is not flammable or combustible. Dry powders may accumulate static charge in handling which can be a source of ignition for flammable atmospheres.

Special Protective Equipment and Precautions for Firefighters: Wear full protective firefighting gear. Wear self-contained breathing apparatus.

Section 6- Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate clothing and respiratory protection (see Section 8). Avoid generating airborne dust during clean-up.

Environmental Precautions: No specific precautions. Report any spills and/or releases as required to the appropriate authorities.

Methods for Containment and Cleaning Up:

If uncontaminated: collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use.

If contaminated: use appropriate method for the nature of the contamination, and consider possible toxic hazards associated with the contaminating substance(s).

Section 7 – Handling and Storage

Precautions for Safe Handling: Avoid inhalation of dust. Use normal precautions against bag breakage or bulk spillage of material. Wear personal protective equipment. Keep the work area clean. Have proper ventilation and dust collection. Wash thoroughly and use good industrial hygiene practices. Empty containers (bags, bulk containers, storage tanks, etc.) retain product residue and must be handled in accordance with the provision of this Safety Data Sheet.

Dust can accumulate electrostatic charges due to friction from transfer and mixing operations and cause an electrical spark (ignition source) which can ignite flammable liquids and atmospheres. Provide adequate precautions when adding this product to flammable and combustible mixtures like paints and coatings, such as electrical grounding and bonding, inert atmosphere or non-sparking tools. However, bonding and grounds may not eliminate the hazard for static accumulation.

Conditions for Safe Storage: Store in properly closed containers. Keep dry.

Section 8 – Exposure Controls / Personal Protection

Chemical Name:	OSHA PEL:	ACGIH TLV:
Nepheline Syenite	5 mg/m ³ (respirable fraction) 15 mg/m ³ (total dust)	None Established

Section 8 – continued

Appropriate Engineering Controls: Use local exhaust as required to maintain exposures as far as possible below applicable occupational exposure limits. See also ACGIH “*Industrial Ventilation – A Manual for Recommended Practice*” (current edition). Control of exposure to dust must be accomplished as far as feasible by accepted engineering control measures (for example, enclosure or confinement of the operation, general or local exhaust ventilation and substitution of less toxic materials).

Individual Protection Measures

Eye/Face Protection: Wear safety glasses with side shields. Use tight fitting goggles if dust is generated.

Skin Protection: Wear suitable protective clothing.

Respiratory Protection: When effective engineering controls are not feasible, or while they are being implemented, appropriate respiratory protection must be used. Use appropriate respiratory protection for respirable particulates based on consideration of airborne workplace concentrations and duration of exposure arising from intended use. Refer to most recent government and local standards.

Comments: Proper and safe use of the material is solely the purchaser’s responsibility. *K&E Sand and Gravel* extends no warranties and makes no representations as to the suitability of the product for the purchaser’s intended purpose or the consequences of the purchaser’s actions.

Section 9 – Physical and Chemical Properties

Appearance: White Powder

pH: Not Applicable

Odor: None

Odor Threshold: Not Applicable

Melting Point/Freezing Point: 1223°C / 2233°F

Boiling Point: Not Applicable

Flash Point: Not Applicable

Flammability (solid, gas): Fully oxidized, will not burn

Upper and Lower Flammability or Explosive Limit: Not Applicable

Relative Density/Specific Gravity (water=1): 2.61

Evaporation Rate: Not Applicable

Solubility in Water: Insoluble

Vapour Density: Not Applicable

Vapour Pressure (air=1): Not Applicable

Auto-Ignition Temperature: Will not burn

Decomposition Temperature: Will not decompose

Flammable Limits (LEL/UEL): Not Applicable

Partition Coefficient: n-octanol/water: Not Applicable

Viscosity: Not Applicable

Section 10 – Stability and Reactivity

Reactivity: This product is not reactive under normal conditions of storage and use.

Chemical Stability: Product is stable at normal temperatures.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

Section 11 – Toxicological Information

Likely Routes of Exposure: Inhalation, skin contact, eye contact and ingestion.

Acute Toxicity: No acute toxicity data is available for this product.

Skin Corrosion/Irritation: No adverse effects expected. Practice good personal hygiene.

Serious Eye Damage/Irritation: May cause mechanical irritation and possible injury.

STOT (Specific Target Organ Toxicity) – Single Exposure

Inhalation: Inhalation of dust may cause irritation of the nose, throat and respiratory passages.

Skin Contact: No effects expected.

Ingestion: No adverse effects expected for normal, incidental ingestion.

STOT (Specific Target Organ Toxicity) – Repeated Exposure

Inhalation: Prolonged overexposure to any nuisance dust may cause lung injury. Symptoms include cough, shortness of breath and reduced pulmonary function.

Respiratory and/or Skin Sensitization: Not a skin sensitizer in animals or humans.

Carcinogenicity: None of the components of this product are listed as carcinogens or suspected carcinogens by IARCC (International Association of Risk and Crisis Communication), NTP (National Toxicology Program) or OSHA (Occupational Safety and Health Administration).

Notes: Overexposure to nuisance dusts may cause mucous membrane and respiratory irritation, cough sore throat, nasal congestion, sneezing and shortness of breath.

Reproductive Toxicity: No specific data is available, however, there is no evidence that nepheline Syenite exposure has any effect on reproduction.

Germ Cell Mutagenicity: No specific data is available, however, there is no evidence that nepheline Syenite is a germ cell mutagen.

Interactive Effects: Non known.

Comments: Although *K&E Sand and Gravel* has taken reasonable care in the preparation of this Safety Data Sheet, no warranties are made. *K&E Sand and Gravel* makes no representation and assumes no responsibility as to the accuracy or suitability of the Safety Data Sheet for the application intended by the customer.

Section 12 – Ecological Information

Ecotoxicity: No data is available. This product is not expected to present an environmental hazard.

Persistence and Degradability: This product is not degradable.

Bio-accumulative Potential: This product is not expected to bio-accumulate.

Mobility in Soil: Not applicable.

Other Adverse Effects: None known.

Section 13 – Disposal Considerations

Disposal Methods: If uncontaminated, dispose as an inert, non-metallic mineral. If contaminated, dispose in accordance with all applicable local, provincial/state and national/federal regulations in light of the contamination present. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

Section 14 – Transport Information

This product is not regulated for transportation under IATA (International Air Transport Association) /ICAO (International Civil Aviation Organization), IMDG (International Maritime Dangerous Goods), US DOT (US Department of Transport), EU (Transport. European Union), ADR (Accord Européen Relatif au Transport International de Marchandises Dangereuses par Route) or Canadian TDG (Transport Dangerous Goods) Regulations.

Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code: None

Section 15 – Regulatory Information

Safety, Health and Environmental Regulation - Canada

SARA 311/312: Hazard categories for SARA Section 311/312 Reporting: Non hazardous

SARA 313: This product contains the following chemicals subject to annual release reporting requirements under the SARA Section 313 (40 CFR 371: None

CERCLA Section 103 Reportable Quantity: None

California Proposition 65: This product does not contain substance regulated under California Proposition 65.

Toxic Substances Control Act: All of the components of this product are listed on the EPA TSCA Inventory or exempt from remanufacture notification requirements.

Canadian Environmental Protection Act: All the components of this product are listed on the Canadian Domestic Substances List or exempt from notification requirements.

Canadian WHMIS Classification: Not a controlled product.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

Section 16: Other Information

Hazardous Material Information System (HMIS):

Health 0

Flammability 0

Physical Hazard 0

National Fire Protection Association (NFPA):

Health 0

Flammability 0
Reactivity 0

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Note: K&E White Lightning is a Silica Free Product

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