# CHNEPH Nepheline Syenite

#### MATERIAL SAFETY DATA SHEET

Identity (As used on Label and List)
Nepheline Syenite APEX™, MINEX® and various Ceramic and Glass Grade Designations Manufacturer's Name Emergency Telephone Number UNIMIN CANADA LID. {416} 232-2003 Address: Number, Street, City, State and ZIP Code Telephone Number for Information 5343 Dundas Street, West - Suite 400 (416) 232-2003 Date Prepared Etobicoke, Ontario, Canada M4W 3L4 03/11/99 

Components: [Specific Chemical Identity: (Na,K) AlSiO. - Nepheline, NaAlSiO. - Albite, KAlSiO. - Microcline]; Common Name(s): Nepheline Syenite, an inorganic feldspathic mineral, CAS# 37244-96-5.

Not known to contain any hazardous components.

#### OSHA PEL

#### ACGIH TIV

Nepheline Syenite -none established-

10mg/m<sup>3</sup> (Total particulates not otherwise classified)

MSDS No.: 013-UC

See Threshold Limit Value and Biological Exposure Indices (current edition) American Conference of Governmental Industrial Hygienists.

Naturally	Occurring C	Contaminents (Values	in ppm)
Antimony	0.2	Lead**	< 3.0
Arsenic**	< 4.0	Mercury	< 0.1
Barium	3.3	Selenium	10.0
Cadmium	< 0.2	Silver	< 0.3
Chromium	< 0.5		

Boiling Point: Not Applicable Specific Gravity (H. O=1): 2.61

Vapor Pressure (mm Hq.): Not Applicable

Melting Point: 1223°C/2233.4°F

Vapor Density (AIR=1): Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Negligible

Appearance and Odor: White - No odor

\*\* Contains naturally occurring trace amounts of metal listed in California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) in concentrations listed above.

Flash Point (Method Used): Fully oxidized, will not burn. Flammable Limits: Fully oxidized, will not burn. LEL: Fully oxidized will not explode. UEL: Fully oxidized will not explode. Extinguishing Media: Fully oxidized, will not burn. Special Fire Fighting Procedures: None Unusual Fire and Explosion Hazards: None Stability: Stable Conditions to Avoid: None Incompatibility (Materials to Avoid): None Hazardous Decomposition or Byproducts: None Hazardous Polymerization: Will not occur Conditions to Avoid: Not Applicable Route(s) of Entry: Inhalation? Yes Skin? No Impestion? No Health Hazards (Acute and Chronic): Excessive or prolonged inhalation of dust may result in harm or injury to the respiratory system. Carcinogenicity: MIP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure:

Symptoms of excessive exposure include shortness of breath and reduced pulmonary function. This inert material gives no potential acute toxic hazard.

Medical Conditions Generally Aggravated by Exposure:

Individuals with respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation should be precluded from exposure.

Emergency and First Aid Procedures:

Eyes-Flush with water. Gross Inhalation-Remove to fresh air. Give oxygen with artificial respiration as needed. Seek medical attention for treatment, observation and support as needed.

Steps to Be Taken in Case Material Is Released or Spilled:

If uncontaminated—collect, using dustless method (water or vacuum). If contaminated -use appropriate method in light of nature of contamination. Use appropriate container.

# Waste Disposal Method:

If uncontaminated, dispose as an inert, non-metallic mineral. If contaminateduse appropriate method in light of contamination in accordance with federal, state, and local laws.

### cautions to Be Taken in Handling and Storing:

Normal precautions against bag breakage or spills of bulk material. Avoid creation of respirable dust.

### Other Precautions:

Use adequate ventilation and dust collection. Do not permit dust to accumulate in work area. Maintain and use proper and clean respiratory equipment. Clean clothing which has become dusty. See Section VIII. WARN and TRAIN your EMPLOYEES and WARN your CUSTOMERS (in the event of resale) in accordance with all applicable federal and state "Right to Know" laws and regulations.

## Respiratory Protection (Specify Type):

Use conventional particulate respiratory protection based on considerations of airborne concentrations and duration of exposure. See most recent standards of the American National Standard Institute (ANSI Z.88.2), the Occupational Safety and Health Administration (OSHA) (29 CFR Part 1910.134), the Mine Safety and Health Administration (MSHA) (30 CFR Part 56) and the National Institute for Occupational Safety and Health (NIOSH) (NIOSH Pocket Guide to Chemical Hazards).

### Ventilation:

Local Exhaust: To meet PEL requirements

Special: Not Applicable

Mechanical (General): To meet PEL requirements

Other: To meet PEL requirements

Protective Gloves: Recommended Eye Protection: Recommended

Other Protective Clothing or Equipment: As appropriate in light of specific application.

Work/Hygienic Practices: Avoid creating and breathing dust.

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL.

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