SECTION I: PRODUCT INFORMATION

Identity (As used on Label and List) APEX®, MINEX® and various ceramic and glass grade designations
Nepheline Syenite

Manufacturer's Name
UNTMIN CANADA LTD.

Emergency Telephone Number
(416) 232-2003

Address: Number, Street, City, State and ZIP Code
5343 Dundas St. West, Suite 400
Etobicoke, Ontario, Canada M9B 6K5

SECTION II: PREPARATION INFORMATION

Supplier: 
Address: 
Emergency Telephone:

SECTION III: HAZARDOUS INGREDIENTS

Components: [Specific Chemical Identity: (Na,K) AlSiO₃ - Nepheline, NaAlSi₂O₆ - Albite, KAlSi₃O₈ - Microcline]; Common Name(s): Nepheline Syenite, an inorganic feldspathic mineral, CAS# 37244-96-5.
Not known to contain any hazardous components.
LD₅₀: Not Applicable  LC₅₀: Not Applicable

SECTION IV: PHYSICAL DATA

Boiling Point: Not Applicable
Specific Gravity (H₂O=1): 2.61
Vapor Pressure (mm Hg): 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
Freezing Point: Not Applicable
pH: 9.9
Appearance and Odor: White — Odorless
Coefficient of water/oil distribution: Not Applicable
Odor Threshold: Not Applicable

SECTION V: FIRE AND EXPLOSION HAZARD DATA

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.
Hazardous Combustion Products: None
Special Fire Fighting Procedures: None
Auto Ignition Temperature: Not Applicable.
Explosion Data - Sensitivity to Mechanical Impact or Static Discharge: None
Conditions of Flammability: None
Section VI: Reactivity Data

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

Section VII: Toxicological Properties

Route(s) of Entry: Inhalation? Yes  Skin? No  Ingestion? No
Health Hazards (Acute and Chronic): Excessive or prolonged inhalation of dust may result in harm or injury to the respiratory system.
Carcinogenicity:
NTP? No
IARC Monographs? No
OSHA Regulated? No
Reproductive Toxicity: None
Teratogenicity: None
Mutagenicity: None
Toxicologically Synergistic Products: None
Sensitization: Not Applicable
Effects and Symptoms of Chronic Exposure: Symptoms of excessive exposure include shortness of breath and reduced pulmonary function.
Effects and Symptoms of Acute Exposure: This inert material is not known to represent an acute toxic hazard.
Irritancy and Medical Conditions Generally Aggravated by Exposure: Individuals with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure.
Exposure Limits:

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<tr>
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<th>ACGIH TLV</th>
<th>OSHA PEL</th>
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<tbody>
<tr>
<td>Nepheline Syenite</td>
<td>10mg (Total particulates not otherwise classified)</td>
<td>10mg/m³ (Total particulates not otherwise classified)</td>
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See Threshold Limit Value and Biological Exposure Indices, American Conference of Governmental Industrial Hygienists.

Section VIII: Preventive Measures

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 contaminated—use appropriate method in light of contamination in accordance with applicable law.
Handling Procedures, Storage Requirements and Shipping Information: Take 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 VII. WARN and TRAIN your EMPLOYEES and WARN your
CUSTOMERS (in the event of resale) in accordance with all applicable "Right to Know"
laws and regulations.

Personal Respiratory Protective Equipment:
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).

Specific Engineering Controls/Ventilation:
Local Exhaust: To meet PEL requirements
Special: Not Applicable
Mechanical (General): To meet PEL requirements
Other: To meet other 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.

//SECTION IX: EMERGENCY AND FIRST AID PROCEDURES/

Emergency and First Aid Procedures: Eyes—Flush with running water. Gross
Inhalation—Remove to fresh air. Give oxygen with artificial respiration as needed.
Seek medical attention for treatment, observation and support as needed.

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