SECTION I - CAS No. 37244-96-5

MANUFACTURER'S NAME
Indusmin Division Falconbridge Ltd.

ADDRESS (Number, Street, City, State, and ZIP Code)
Suite 200, 365 Bloor St. East, Toronto, Ontario M4W 3L4, Canada

CHEMICAL NAME AND SYNONYMS
Nepheline Syenite

CHEMICAL FAMILY
Igneous feldspathic rock, a Sodium Potassium Aluminum Silicate

FORMULA
\[ 3\text{Na}_2\text{O} \cdot \text{K}_2\text{O} \cdot 4.5\text{Al}_2\text{O}_3 \cdot 205\text{SiO}_2 \]

SYNTEX, CREST, PEAK, APEX & all grades Nepheline

SYNICTE, Syenite.

SECTION II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>PAINTS, PRESERVATIVES, &amp; SOLVENTS</th>
<th>% TELV (Units)</th>
<th>ALLOYS AND METALLIC COATINGS</th>
<th>% TELV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGMENTS</td>
<td>Not Applicable</td>
<td>BASE METAL</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>CATALYST</td>
<td>Not Applicable</td>
<td>ALLOYS</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>VEHICLE</td>
<td>Not Applicable</td>
<td>METALLIC COATINGS</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>SOLVENTS</td>
<td>Not Applicable</td>
<td>FILLER METAL</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PLUS COATING OR CORE FLUX</td>
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</tr>
<tr>
<td>ADDITIVES</td>
<td>Not Applicable</td>
<td>OTHERS</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>OTHERS</td>
<td>Not Applicable</td>
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</tr>
</tbody>
</table>

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Not Applicable

Nepheline Syenite is an anhydrous inorganic naturally-occurring igneous mineral rock product devoid of any asbestos minerals, free silica or acicular particles, non-flammable and non-toxic, which does not begin to sinter until 1900°F.

Not regulated by DOT or Transport Canada and exempt from reporting under ESCA.

SECTION III - PHYSICAL DATA

| BOILING POINT (°F.) | Not Applicable | SPECIFIC GRAVITY (H₂O=1) | 2.61 |
| VAPOR PRESSURE (mm Hg.) | Not Applicable | PERCENT, VOLATILE BY VOLUME (%) | Not Applicable |
| VAPOR DENSITY (AIR=1) | Not Applicable | EVAPORATION RATE (−)=1 | Not Applicable |
| SOLUBILITY IN WATER | Negligible |

APPEARANCE AND ODOOR
White to off-white granular sand and/or fine white powder.

Mild. No odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT (Method used) | Not Applicable | FLAMMABLE LIMITS | Not Applicable |
| EXTINGUISHING MEDIA       | Not Applicable |
| SPECIAL FIRE FIGHTING PROCEDURES | None, Not Applicable |

UNUSUAL FIRE AND EXPLOSION HAZARDS
None
SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Per ACGIH for a Nuisance Dust - 10 mg/m³ (Total Dust); 5 mg/m³ (Respirable Dust).

EFFECTS OF OVEREXPOSURE
Routes of Entry: Lungs (breathing). Toxicity Data: None found.

SHORT TERM: No effect - a nuisance dust.

LONG TERM: Although a nuisance dust only, containing no free silica (quartz) and posing no silicosis hazard, nevertheless recommend observance of TLV.

EMERGENCY AND FIRST AID PROCEDURES to prevent prolonged exposure which could possibly cause delayed and chronic lung disorders.

SECTION VI - REACTIVITY DATA

STABILITY

<table>
<thead>
<tr>
<th>UNSTABLE</th>
<th>CONDITIONS TO AVOID</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABLE</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

INCOMPATIBILITY (Materials to avoid)

None

HAZARDOUS DECOMPOSITION PRODUCTS

None

HAZARDOUS POLYMERIZATION

MAY OCCUR | CONDITIONS TO AVOID | None |

WILL NOT OCCUR | X |    |

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep, vacuum or wash away with water. Non-hazardous natural rock product.
Normal good housekeeping practices recommended.
If uncontaminated, scoop up or collect, and reuse as product.

WASTE DISPOSAL METHOD
Bury in approved landfill, or any suitable disposal for non-hazardous powders, in accordance with applicable environmental regulatory requirements.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) For excessive prolonged dustiness exceeding TLV, wear any approved dust respirator/mask of TC-21B rating or better.

VENTILATION

LOCAL EXHAUST | Preferable - to reduce dust to less than TLV |
MECHANICAL (General) | Acceptable | SPECIAL | None |
OTHER | None

PROTECTIVE GLOVES

Not required

EYE PROTECTION

Safety glasses or goggles

OTHER PROTECTIVE EQUIPMENT

None

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
None. Keep dust to minimum.

OTHER PRECAUTIONS

None

PREPARED: August 2, 1985
PREPARED BY: H. R. Emery, Manager Marketing Services