

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387
NPCA/CPMA HMIS
RATINGS *

MATERIAL SAFETY DATA SHEET

HEALTH 0*
FLAMMABILITY 0
REACTIVITY 0

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

PERSONAL
PROTECTION E

*OF HOFORUPE

SECTION I CAS No. 37244-96-5

MANUFACTURER'S NAME

Indusmin Division Falconbridge Ltd.

EMERGENCY TELEPHONE NO.

(416) 967-1900; (705) 877-

ADDRESS (Number, Street, City, State, and ZIP Code)

Suite 200, 365 Bloor St. East, Toronto, Ontario M4W 3L4, Canada 2210

CHEMICAL NAME AND SYNONYMS

Nepheline Syenite

TRADE NAME AND SYNONYMS

MINEX, & all grades Nepheline

CHEMICAL FAMILY Igneous feldspathic rock,
a Sodium Potassium Aluminum Silicate

FORMULA
 $3\text{Na}_2\text{O} \cdot \text{K}_2\text{O} \cdot 4.5\text{Al}_2\text{O}_3 \cdot 20\text{SiO}_2$

Syenite.

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	Not Applicable		BASE METAL	Not Applicable	
CATALYST	Not Applicable		ALLOYS	Not Applicable	
VEHICLE	Not Applicable		METALLIC COATINGS	Not Applicable	
SOLVENTS	Not Applicable		FILLER METAL PLUS COATING OR CORE FLUX	Not Applicable	
ADDITIVES	Not Applicable		OTHERS	Not Applicable	
OTHERS	Not Applicable			Not Applicable	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
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 TSCA.					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Not Applicable	SPECIFIC GRAVITY (H ₂ O=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 ODOR	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		
		DO 086708	
		CONFIDENTIAL	

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE Per ACGIH for a Nuisance Dust- 10 mg/m ³ (Total Dust); 5 mg/m ³ (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.	
None. Not Applicable.	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID None
	STABLE	X	
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.	SPECIAL None
	MECHANICAL (General)	Acceptable	OTHER None
PROTECTIVE GLOVES		Not required	EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT		None	Safety glasses or goggles

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
None. Keep dust to minimum.	
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OTHER PRECAUTIONS	
None	
PREPARED: August 2, 1985	PREPARED BY: H. R. Emery