

**NATROCHEM, INC.**Post Office Box 1205
Savannah, Georgia 31498-4201
(912) 236-4464**MATERIAL SAFETY
DATA SHEET**

NATROCEL PE

Date Revised: September 8, 1989

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SECTION I - PRODUCT IDENTIFICATIONTRADE NAME: Natrocel PE
CHEMICAL NAME: Polyethylene on calcium silicate
SYNONYMS: N/DA
CHEMICAL FAMILY: Polyethylenes**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS REGISTRY	PERCENT	TLV	PEL's
Calcium Silicate	1344-95-2	28	10 mg/m3	10 mg/m3

TRANSPORTATION: Not regulated

SECTION III - PHYSICAL DATABOILING POINT: N/A
VAPOR PRESSURE (mm Hg): Negligible
VAPOR DENSITY (Air = 1): N/A
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Tan, free flowing powder with characteristic waxy odor.
SPECIFIC GRAVITY: 1.104
PERCENT VOLATILES: N/A
EVAPORATION RATE: N/A**SECTION IV - FIRE & EXPLOSION DATA**FLASH POINT (Method Used): >231°C COC
FLAMMABLE LIMITS: Lower - N/D Upper - N/D
AUTOIGNITION TEMPERATURE: N/DA
EXTINGUISHING MEDIA: Carbon dioxide or dry chemical.MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus approved by NIOSH. Watch footing on floors and stairs because of possible melting and spreading. Use spray to keep containers cool. Water stream on molten burning material may scatter and spread fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: Fire point >313°C. Melts in proximity to fires causing slippery floors and stairs. Static charges on the powders or the powders dispersed in liquids may ignite flammable atmospheres. Appropriate precautions should be observed.

SECTION V - WARNING STATEMENTS

Calcium Silicate: Prolonged or repeated exposure to excessive concentrations of this product dust or any nuisance dust can cause chronic pulmonary disease. This substance or mixture has not been classified as carcinogen by NTP, IARC or OSHA.



SECTION VI - HEALTH HAZARD DATA

EXPOSURE LIMITS: Not established for this product. See Section II for the exposure limits of the constituents in this product.

ACUTE & CHRONIC HEALTH EFFECTS- Calcium Silicate: Acute; Transitory upper respiratory irritant. Chronic; Prolonged or repeated exposures to excessive concentrations of product dust can cause chronic pulmonary disease.

PRIMARY ROUTE OF ENTRY- Calcium Silicate: Inhalation.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None
NTP: No IARC Monographs: No OSHA: No

EFFECTS OF OVEREXPOSURE: -

EYES - Calcium Silicate: Temporary irritation and inflammation. Polyethylene: Non-eye irritant. Dust may cause mechanical irritation.

SKIN - Calcium Silicate: N/A. Polyethylene: Mild dermal irritant.

INHALATION - Calcium Silicate: Congestion and irritation of the throat, nasal passages and upper respiratory system. Long term unprotected exposures to dust levels in excess of the PEL/TLV may cause lung disease (silicosis). Polyethylene: Treat as nuisance dust. Avoid breathing fumes from molten material.

INGESTION - Calcium Silicate: Not hazardous when ingested. Polyethylene: No effects known. Acute oral toxicity in rats: LD50 >2000 mg/kg.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE - Calcium Silicate: Pre-existing upper respiratory and lung diseases such as, but not limited to bronchitis, emphysema and asthma.

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately rinse with clean water for 15 minutes. Retract eyelids often. If irritation persists, seek medical attention.

SKIN CONTACT: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.

INHALATION: If overcome by exposure, remove victim to fresh air immediately. Call a physician.

INGESTION: N/DA

SECTION VIII - REACTIVITY DATA

STABILITY: Stable.

MATERIALS TO AVOID- Calcium Silicate: Hydrofluoric Acid. Polyethylene: Strong oxidizing agents, although comparatively stable as are other polyethylenes.



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SECTION VIII - REACTIVITY DATA (Con't.)

HAZARDOUS DECOMPOSITIONS PRODUCTS: Depends on conditions of fire. For polyethylenes in general, CO₂, CO and various oxidized and non-oxidized hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Impound and recover for large land spill; Use dust suppressant. Report per regulatory requirements.

WASTE DISPOSAL METHOD: In accordance with local, state and federal regulations.

SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use a respirator such as 3M 9900 or equivalent for protection against pneumoconiosis producing dusts.

VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels. The sum total of all ingredients may emit vapors during normal processing. All possible health effects are not known and individual sensitivities will vary. Effective exhaust ventilation should always be provided to draw dust, fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain the ambient workplace atmosphere below the limits listed in Section II.

PROTECTIVE GLOVES: Impervious gloves to protect against contact with product.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station, safety shower.

SECTION XI - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Handling can create explosive dust clouds. Eliminate ignition sources, use explosion proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded. Avoid dust accumulations.

OTHER PRECAUTIONS: Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before re-use.

SECTION XII - SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals and/or compounds subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
None.		

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N/A = Not Applicable N/D = Not Determined N/DA = No Data Available

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