

**NATROCHEM, INC.**

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**MATERIAL SAFETY
DATA SHEET****FLEXRICIN P4 DLC®**

Date Revised: April 9, 1996

Supersedes: New Issue

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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: Flexricin P4 DLC
 CHEMICAL NAME: Ester on Calcium Silicate

HMIS RATING	
Health	1
Flammability	1
Reactivity	0

SECTION II - HAZARDOUS INGREDIENTS

The component(s) listed below is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT	CAS #	ACGIH (TLV)	OSHA (PEL)	UNITS
Synthetic Calcium Silicate	1344-95-2	10	5	mg/m ³

SECTION III - PHYSICAL DATA

Boiling Point: N/A
 Vapor Pressure (mm Hg): N/DA
 Vapor Density (Air = 1): Heavier than air
 Solubility in Water: Insoluble
 Appearance and Odor: Off-white, free flowing powder with ester odor.

Specific Gravity: 1.010
 Percent Volatiles: Nil
 Evaporation Rate: Slower than ether

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): 360°F (COC)
 FLAMMABLE LIMITS: N/D
 AUTOIGNITION TEMPERATURE: N/DA

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Standard fireman's body protection and self-contained breathing apparatus is recommended.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SECTION V - HEALTH HAZARD DATA

CHRONIC HEALTH EFFECTS: Prolonged and repeated exposures to concentrations of product dust in excess of PEL\TLV can cause chronic pulmonary disease.

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
 60 S. Seiberling Street · Akron, Ohio 44305
 Akron · Chicago · Northeast · Southern · West Coast

SECTION V - HEALTH HAZARD DATA (cont)

PRIMARY ROUTE OF ENTRY- Inhalation, dust contact with eyes.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.

NTP: No

IARC: No

OSHA: No

EFFECTS OF EXPOSURE-

EYES- May cause eye irritation.

SKIN- May cause slight skin irritation.

INHALATION- Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Vapors are minimal at room temperature.

INGESTION- Not hazardous when ingested. Oral toxicity is low.

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

SECTION VI - 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.

INGESTION: Give plenty of water and induce vomiting. Call a physician.

SECTION VII - REACTIVITY DATA

STABILITY: Stable

MATERIALS TO AVOID- Hydrofluoric acid.

CONDITIONS TO AVOID- Keep from contact with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and dense smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Flush spill area with detergent and water.

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

SECTION IX - SPECIAL PROTECTION INFORMATION

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

VENTILATION: Use sufficient natural or mechanical ventilation to keep dust level below PEL.

PROTECTIVE GLOVES: Chemical resistant gloves are recommended.

EYE PROTECTION: Chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station and safety shower.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store in closed containers. Protect from contamination with foreign materials.

OTHER PRECAUTIONS: Do not transfer into unmarked containers

SECTION XI - REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA):

The components of this product are contained on the Inventory of the Toxic Substance Control Act.

SARA TITLE III INFORMATION:

SECTION 313 - TOXIC CHEMICALS:

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

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
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This product does not contain a toxic chemical in excess of 1% of the mixture

This information must be included in all MSDS's that are copied and distributed for this material

SECTION XI - REGULATORY INFORMATION (Cont.)

SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does not contain an extremely hazardous substance.

SECTION 311/312 - HAZARD CATEGORIES:

The physical and health hazard categories for this product are:

Fire Hazard: None

Sudden Release of Pressure Hazard: None

Reactivity Hazard: None

Immediate (Acute) Health Hazard: Calcium silicate

Delayed (Chronic) Health Hazard: None

TRANSPORTATION INFORMATION:

DOT Shipping Name: Oils, liquid or solidified

DOT Identification Number: N/DA

SECTION XII - OTHER INFORMATION

Revision Note: New issue.

Prepared by: James L. Pye, Jr.

Title: Safety Coordinator

N/A = Not applicable N/D = Not determined N/DA = No Data Available

N/E = Not established

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