

**NATROCHEM, INC.**

Post Office Box 1205  
Savannah, Georgia 31402-1205  
(912) 236-4464

**MATERIAL SAFETY  
DATA SHEET****SARET 517 DLC®**

Date Revised: April 30, 1998

Page 1 of 5

**SECTION I - PRODUCT IDENTIFICATION**

TRADE NAME: Saret 517 DLC  
CHEMICAL NAME:

HMIS RATING	
Health	2
Flammability	1
Reactivity	2

**SECTION II - COMPONENTS**

COMPONENT NAME	CAS#
Synthetic Calcium Silicate	1344-95-2
Trifunctional Acrylic Esters	Proprietary
Alkylated Phenol	Proprietary

**SECTION III - PHYSICAL DATA**

Boiling Point: N/DA	Specific Gravity: 1.00
Vapor Pressure (mm Hg): N/DA	Percent Volatiles: Negligible
Vapor Density (Air = 1): N/DA	Evaporation Rate: N/DA
Solubility in Water: Negligible	
Appearance and Odor: Tan, free flowing powder with mild odor.	

**SECTION IV - FIRE & EXPLOSION DATA**

FLASH POINT (Method Used): 200°F (PMCC)  
FLAMMABLE LIMITS: N/DA  
AUTOIGNITION TEMPERATURE: N/DA

EXTINGUISHING MEDIA: Dry Chemical, CO<sub>2</sub>, Foam. Use water spray and/or water fog for cooling.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter fire area without proper protection. Fight fire from safe distance and protected location. Heat and impurities may increase temperature and build pressure, rupturing closed containers, spreading fire, and increasing risk of burns and injuries. Water may be ineffective in firefighting due to low solubility. Use water spray and/or fog for cooling. Pressure relief system may plug with solids, increasing risk of overpressure. Notify authorities if liquid enters sewer and public waters.

UNUSUAL FIRE & EXPLOSION HAZARDS: High temperatures, inhibitor depletion, accidental impurities, exposure to radiation, oxidizers may cause spontaneous polymerizing reaction, generating heat and pressure. Closed containers may rupture and explode during runaway polymerization.

MARKETED BY

**HARWICK STANDARD  
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305  
Akron • Chicago • Northeast • Southern • West Coast

---

**SECTION V - HEALTH HAZARD DATA**

---

**HEALTH EFFECTS:** 5 mg/m<sup>3</sup> respirable nuisance dust, OSHA. 10 mg/m<sup>3</sup> total nuisance dust, ACGIH. Prolonged or repeated exposure to excessive concentrations of this product dust or any nuisance dust can cause chronic pulmonary disease.

**PRIMARY ROUTE OF ENTRY-** Inhalation, dust contact with eyes, skin absorption, and skin irritation.

**CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:** None.

**NTP:** No

**IARC:** No

**OSHA:** No

**EFFECTS OF EXPOSURE-**

**EYES-** Although no appropriate human or animal health effects data are known to exist, this material is expected to cause eye irritation.

**SKIN-** Although no appropriate human or animal health effects data are known to exist, this material is not expected to be a health hazard by skin absorption but is expected to be a skin irritant and allergic sensitizer.

**INHALATION-** Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Aerosols or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

**INGESTION-** Expected to be a slight ingestion hazard.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-** Persons with breathing problems or lung disease should not work in dusty areas unless a physician approves and certifies their fitness to wear respiratory protection. Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma. This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease.

---

**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. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

**INGESTION:** Obtain emergency medical attention.

**EMERGENCY MEDICAL TREATMENT PROCEDURES:** Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Contact ophthalmologist immediately. Maintain airway. If patient is cyanotic, provide artificial ventilation and oxygen immediately. CPR may be indicated.

---

---

**SECTION VII - REACTIVITY DATA**

---

**STABILITY:** Stable.

**MATERIALS TO AVOID-** Hydrofluoric acid, strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

**CONDITIONS TO AVOID-** High temperatures, localized heat sources (i.e. drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Acrid smoke, fumes, oxides of carbon and perhaps other toxic vapors may be released during a fire involving this product.

**HAZARDOUS POLYMERIZATION:** May occur. This material contains an inhibitor (HQ, MEHQ, etc.) at < 1%. The type and amount exceeds product specifications. Contact a Sartomer representative for exact concentrations and details on inhibitor level maintenance.

---

**SECTION VIII - SPILL OR LEAK PROCEDURES**

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** MINIMIZE SPILL AREA. Vacuum spill material and place in closed plastic bags for disposal.

**WASTE DISPOSAL METHOD:** In accordance with local, state, and federal regulations. Non contaminated, properly inhibited product is not a RCRA hazardous waste. However, contaminated product with soil and water may be a RCRA or OSHA hazardous waste due to potential for internal heat generation (see 40 CFR 261 and 29 CFR 1910). It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste.

---

**SECTION IX - 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 ambient workplace atmosphere below the limits listed in Section V.

**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 X - SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:** Handling can create explosive dust clouds. Eliminate ignition sources, use explosive proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded. Avoid dust accumulations. Product contains an inhibitor. Do not store at or below 32°F because inhibitor can separate as a solid. If frozen, warm and remix material gently (<90°F). Prevent moisture contact.

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

## 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.

## CHEMICAL INVENTORIES:

## OSHA:

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	ACGIH (TLV)	OSHA (PEL)	UNITS	PERCENT
Calcium Silicate	10	5	mg/m3	~ 27

## SARA TITLE III INFORMATION:

## SECTION 313 - TOXIC CHEMICALS:

This product does not contain any toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372.

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
----------------	---------------	-------------------

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

## SECTION 302 &amp; 304 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does not contain an Extremely Hazardous Substance subject to reporting under 40CFR 355.

## SECTION 311/312 - HAZARD CATEGORIES:

The physical and health hazard categories for this product are:  
Calcium Silicate - Acute Hazard

## CERCLA:

This product does not contain any chemical subject to reporting as a CERCLA Hazardous Substance under 40CFR 372.

---

**SECTION XI - REGULATORY INFORMATION (Continued)**

---

**RCRA:**

This product is not a hazardous waste as listed in 40CFR 261.33. It does not exhibit any of the hazardous characteristics listed in 40CFR 261 Subpart C.

**TRANSPORTATION INFORMATION:**

DOT Shipping Name: N/A

DOT Identification Number: Not regulated.

---

**SECTION XII - OTHER INFORMATION**

---

Revision Note: New Issue of Raw Material MSDS.

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

The information given in this MSDS was obtained from sources which we believe are reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Natrochem, Inc. makes no warranty express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon.