

**MATERIAL SAFETY DATA SHEET**  
**DOS DLC®**

Issued: March 6, 2006

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SECTION I - PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Name **DOS DLC**  
CHEMICAL NAME:

Company:



NATROCHEM, INC.  
P.O. Box 1205  
Savannah, GA 31402-1205

HMIS RATING	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Telephone Numbers:

Transportation Emergencies:

CHEMTREC (U.S.A.): (800) 424-9300 (24 hours)

CHEMTREC (International): (202) 483-7616 (24 hours, call collect)

Product Information: (912) 236-4464 (EST, 8:00AM - 4:00PM M-F)

SECTION II - COMPONENTS

COMPONENT NAME	CAS#
DOS	122-62-3
Synthetic Calcium Silicate	1344-95-2

SECTION III - PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure (mm Hg): 0.98C @ 210C

Vapor Density (Air = 1): N/D

Solubility in Water: 0.001

Appearance and Odor: Tan powder, faint oily odor.

Specific Gravity: 1.11

Percent Volatiles: 72

Evaporation Rate: N/D

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT: 210C

EXTINGUISHING MEDIA: Chemical powder, foam, CO<sub>2</sub>, water fog. Water and foam may cause frothing when they come in contact with burning material.

SPECIAL FIRE FIGHTING PROCEDURES: Full face, self-contained breathing apparatus used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: CO<sub>x</sub>

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 may nuisance dust can cause chronic pulmonary disease.

ACUTE TOXICITY DATA:

Acute Oral LD50

Acute Dermal LD50

Acute Inhalation LC50

MARKETED BY  
**HARWICK STANDARD**  
**DISTRIBUTION CORPORATION**  
60 S. Seiberling Street • Akron, Ohio 44305

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**SECTION V - HEALTH HAZARD DATA (cont)**

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

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NTP: no IARC: no OSHA: no

EFFECTS OF EXPOSURE-

EYES- Mildly irritating. Excessive contact with powder can cause drying of mucous membranes of eyes due to absorption of moisture and oils. May cause eye irritation.

SKIN- Mildly irritating.

INHALATION- Nuisance dust. Excessive contact with powder can cause drying of mucous membranes of nose and throat due to absorption of moisture and oils. This material can also cause nasal irritation and nosebleeds.

INGESTION- Not significantly toxic.

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.

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**SECTION VI - EMERGENCY & FIRST AID PROCEDURES**

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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: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

INGESTION: N/DA

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**SECTION VII - REACTIVITY DATA**

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STABILITY: Stable.

MATERIALS TO AVOID- Hydrofluoric acid

CONDITIONS TO AVOID- Keep away from oxidizing agents and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon when burned.

HAZARDOUS POLYMERIZATION: Will not occur.

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 SECTION VIII - SPILL OR LEAK PROCEDURES
 

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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.

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 SECTION IX - SPECIAL PROTECTION INFORMATION
 

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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.

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 SECTION X - SPECIAL PRECAUTIONS
 

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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.

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

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 SECTION XI - REGULATORY INFORMATION
 

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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	AMOUNT	ACGIH (TLV)	OSHA (PEL)	UNITS
Calcium Silicate	28%	10	5	mg/m <sup>3</sup>

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SECTION XI - REGULATORY INFORMATION (Cont.)

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## SARA 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 of 1986 and the Pollution Prevention Act of 1990.

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
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## SECTION 311/312 - HAZARD CATEGORIES:

The physical and health hazard categories for the hazardous components exceeding the de minimis amount subject to reporting under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372

Name of Chemical	Hazard	Percent in Product
Calcium Silicate	Acute	28%

## ADDITIONAL RIGHT-TO-KNOW INFORMATION ON COMPONENTS:

## TRANSPORTATION INFORMATION:

DOT Shipping Name: Not regulated.  
DOT Identification Number:

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SECTION XII - OTHER INFORMATION

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Issue Date: March 6, 2006  
Prepared by: Craig Moore

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

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