

**MATERIAL SAFETY DATA SHEET**  
**Merrol® 4200 DLC®**

Issued March 7, 2006

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**SECTION I - PRODUCT AND COMPANY IDENTIFICATION**

TRADE NAME: MERROL 4200 DLC  
CHEMICAL NAME: Dibutoxyethyl Sebacate on Calcium Silicate

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 - HAZARDOUS INGREDIENTS**

INGREDIENT:	CAS #	ACGIH (TLV)	OSHA (PEL)	UNITS
Dibutoxyethyl Sebacate	141-19-5	N/DA	N/DA	

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

Synthetic Calcium Silicate	1344-95-2	10	5	mg/m <sup>3</sup>
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**SECTION III - PHYSICAL DATA**

Boiling Point: N/A

Vapor Pressure (mm Hg) : <0.001 @20°C

Vapor Density (Air = 1): 10.8

Solubility in Water: <0.1% @ 25°C

Appearance and Odor: Off-white, free flowing powder with mild odor.

Specific Gravity: 1.17 (Calculated)

Percent Volatiles: N/DA

Evaporation Rate: 0

**SECTION IV - FIRE & EXPLOSION DATA**

FLASH POINT (Method Used): 182°C (COC)

FLAMMABLE LIMITS: N/D

AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA: Water spray, fog, foam, CO<sub>2</sub>, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but should be used to keep fire-exposed containers cool. If a spill or leak has not ignited, use water spray to disperse the vapors.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water or foam may cause frothing.

**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

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

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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- Prolonged or frequent exposure may cause skin irritation.

INHALATION- Irritation and soreness in throat and nose. In extreme exposures some congestion may occur.

INGESTION- Not hazardous when ingested. Handle in accordance with good industrial hygiene and safety practices.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE- 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: Call a physician.

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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 heat and flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

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. If in a clean area, recover for reuse. Transfer to secure containers 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 dusts, vapors or mists.

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

PROTECTIVE GLOVES: Impervious gloves.

EYE PROTECTION: Chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station and safety shower.

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**SECTION X - SPECIAL PRECAUTIONS**

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HANDLING AND STORAGE: Store in cool, dry, ventilated areas away from direct sunlight. Store only in approved containers under approved conditions. Storage area should not be subject to rapid temperature changes.

OTHER PRECAUTIONS: Avoid contact with eyes, skin and clothing.

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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 TSCA Inventory.

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
(This product does not contain a toxic chemical in excess of 1% of the mixture.)		

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

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**SECTION XI - REGULATORY INFORMATION (Cont.)**

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**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: N/A

Sudden Release of Pressure Hazard: N/A

Reactivity Hazard: N/A

Immediate (Acute) Health Hazard: Calcium silicate

Delayed (Chronic) Health Hazard: N/A

**TRANSPORTATION INFORMATION:**

DOT Shipping Name: Not DOT regulated.

DOT Identification Number:

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**SECTION XII - OTHER INFORMATION**

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Revision Note: Original Issue

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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