MATERIAL SAFETY DATA SHEET

DRP DLCR

Date Revised: June 20, 2000 Page 1 of 4 SECTION I - PRODUCT AND COMPANY IDENTIFICATION TRADE NAME: DBP DLC CHEMICAL NAME: Dibutyl Phthalate on Calcium Silicate HMIS RATING Health NATROCHEM, INC. Company Flammability P.O. Box 1205 Reactivity Savannah, GA 31402-1205 Telephone Numbers: Transportation Emergencies: (800) 424-9300 (24 hours) CHEMTREC (U.S.A.): (202) 483-7616 (24 hours, call collect) CHEMTREC (International): (912) 236-4464 (EST. 8:00AM - 4:00PM M-F) Product Information: **SECTION II - COMPONENTS** CAS# COMPONENT NAME 1344-95-2 Synthetic Calcium Silicate 84-74-2 Dibutyl Phthalate SECTION III - PHYSICAL DATA Specific Gravity: 1.25 **Boiling Point: 644EF** Vapor Pressure (mm Hg): ! @ 20EC

Percent Volatiles: N/DA

Evaporation Rate: Negligible Vapor Density (Air = 1): 9.6

Solubility in Water: Negligible Appearance and Odor: Off white, free flowing powder with no odor.

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): 375EF (COC)

UEL- N/D FLAMMABLE LIMITS: LEL- 0.47% @ 457EF AUTOIGNITION TEMPERATURE: 759EF (ASTM D2155)

EXTINGUISHING MEDIA: Water spray, dry chemical, CO₂, or foam

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: None known

SECTION V - HEALTH HAZARD DATA

HEALTH EFFECTS: 5 mg/m3 respirable nuisance dust, OSHA. 10 mg/m3 total nuisance dust, ACGIH.

Prolonged or repeated exposure to excessive concentrations of this product dust or any nuisance dust can cause chronic pulmonary disease. CHRONIC: High oral doses of this material given to pregnant animals produced some minor abnormalities in their offspring. However, high doses to humans handling this material are not expected since oral consumption is not likely route of significant exposure. Because this

produce such effects in humans through inhalation or skin exposure when handled in a manner consistent with the precautionary measures contained in this material safety data sheet.

material does not evaporate readily and is not easily absorbed through the skin, it is not expected to

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

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

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SECTION V - HEALTH HAZARD DATA (cont) CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None OSHA: No. NTP: No IARC: No **EFFECTS OF EXPOSURE-**EYES- Temporary irritation or inflammation. SKIN- May cause slight skin irritation. INHALATION- Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. INGESTION- Not hazardous when ingested 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. 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 luke warm water for 15 minutes. Seek medical attention if ill effect or irritation develops. INHALATION: If overcome by exposure, remove victim to fresh air. INGESTION: Consult a physician. SECTION VII - REACTIVITY DATA STABILITY: Stable. MATERIALS TO AVOID- Hydrofluoric acid, strong oxidizing agents. CONDITIONS TO AVOID- None known. HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon. 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. Vacuum spill material and place in closed plastic bags for disposal. WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations.

NATROCHEM MSDS
SECTION IX - SPECIAL PROTECTION INFORMATION

DBP DLC

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.

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). ACGIH OSHA

(TLV) (PEL) UNITS PERCENT INGREDIENT

mg/m3 ~27 5 Calcium Silicate 10

5 mg/m3 ~73 5 Dibutyl phthalate

Dibutyl Phthalate has a toxicity of LD50 (rat) oral, 20-25 g/kg

SARA TITLE III INFORMATION:

SECTION 313 - TOXIC CHEMICALS:

This product does contain a toxic chemical subject to the reporting requirements of Section 313 of Title III

CAS REGISTRY #

84-74-2

of the Superfund Amendments and Reauthorization Act and 40 CFR 372.

CHEMICAL NAME

Dibutyl Phthalate

~ 27

PERCENT BY WEIGHT

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

NATROCHEM MSDS DBP DLC SECTION XI - REGULATORY INFORMATION 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. RCRA:

This product is a hazardous waste as listed in 40CFR 261. U069 Dibutyl Phthalate (Ref. 261.33(f)).

SECTION 302 & 304 - EXTREMELY HAZARDOUS SUBSTANCES:

TRANSPORTATION INFORMATION: DOT Shipping Name: Environmentally Hazardous Substances, solid, n.o.s., (Dibutyl Phthalate), 9, UN3077

III. Marine Pollutant.

SECTION XII - OTHER INFORMATION

Revision Note: New issue of raw material MSDS.

Prepared by: James L. Pve, Jr.

Safety Coordinator

Title:

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

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