



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - PRODUCT INFORMATION

**PRODUCT NAME:** NAXCHEM® DDB-501  
**CHEMICAL NAME:** Linear Alkylbenzene  
**CAS NUMBER:** 129813-58-7  
**PRODUCT CODE:** 3646  
**MSDS NO.:** 1-12112-2

**ISSUE DATE:** 07/13/05  
**SUPERSEDES:** 05/23/05

## SECTION 2 - HAZARD IDENTIFICATION

**Appearance & Odor:** Colorless, oily liquid. Odorless.

**Primary Routes of Exposure:** Skin and Eyes

**Health Hazard Warnings:** CAUTION! May cause eye irritation. Prolonged or repeated skin contact may cause irritation or dermatitis.

**Inhalation:** Prolonged or repeated overexposure to mists may cause dizziness, headaches, and nasal irritation.

**Skin Contact:** Prolonged or repeated overexposure to liquid may cause slight irritation, redness, and scaling of the skin (dermatitis).

**Eye Contact:** Contact with eyes can cause slight irritation.

**Ingestion:** May cause irritation and discomfort in the form of nausea and vomiting.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>
Benzene, Mono C <sub>10</sub> -C <sub>13</sub> Alkyl	129813-58-7	100

## SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately wash eyes with water for 10-15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.

**Skin:** Thoroughly flush the affected area with plenty of water while removing contaminated clothing and equipment. Wash with water for at least 15 minutes.

**Inhalation:** Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

**Ingestion:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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## SECTION 4 - FIRST AID MEASURES (CONT.)

**Other Specific Instructions:** In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** 293 °F (145 °C) PM

**Auto Ignition:** 460 °F (238 °C)

**Explosive Limits; UEL/LEL:** No data available

**Extinguishing Agents:** Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.

**Fire & Explosion Hazards:** As in any fire prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Cool containers with water that are exposed to flames.

**Hazardous Combustion Products:** Thermal decomposition produces oxides of carbon.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Protective Equipment:** Appropriate protective equipment must be worn when handling a spill of **NAXCHEM® DDB-501**. See Section 8 - Exposure Control, for recommendations.

**Spill or Leak Information:** Absorb spill material with an inert material (i.e. vermiculite, soil, etc.). Flush spill area with plenty of water to a chemical sewer. Collect water for proper disposal.

## SECTION 7 - HANDLING AND STORAGE

**Handling Conditions:** When transferring this product there is a potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product. Emptied container may retain product residues. Follow all warnings and precautions even after container is emptied.

**Storage Conditions:** Keep container tightly closed when not in use. Prevent material from freezing.

## SECTION 8 - EXPOSURE CONTROL

**Exposure Limits:** None established

**Eye Protection:** Use safety glasses. Chemical goggles and face shield should be used if splashing may occur.

**Skin Protection:** Skin contact with material should be minimized through the use of suitable impervious gloves. Nitrile or neoprene gloves are recommended.

**Respiratory Protection:** Not required under normal handling conditions. If use conditions warrant respirator use, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

**Ventilation:** Good general ventilation in addition to local exhaust ventilation should be provided.

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## SECTION 8 - EXPOSURE CONTROL (CONT.)

**Other Protective Equipment:** Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke or eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless, oily liquid

**Odor:** Odorless

**Melting Point:** < -60 °C (pour point)

**Boiling Point:** 282 - 302 °C

**Evaporation Rate (butyl acetate=1):** No data

**pH:** 6 - 9

**Vapor Pressure:** < 0.5 @ 21 °C

**Vapor Density (Air=1):** 8 - 9

**Specific Gravity/Density:** 0.866 @ 16 °C

**Solubility in Water:** Negligible

**Flash Point:** 293 °F (145 °C) PM

**Auto Ignition:** 460 °F (238 °C)

## SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Incompatibility:** Avoid strong oxidizers.

**Polymerization:** Not expected to occur.

**Decomposition:** When heated to decomposition, will emit carbon oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Data:** The information shown in Section 2 - Hazard Identification, is based on toxicity profiles of similar linear alkylbenzenes. Data for a similar product are listed below:

**Eyes:** Primary eye irritation (rabbits): slight irritation (2.0 at one hour, unwashed eyes)

**Skin:** Dermal LD<sub>50</sub> (rabbits): ~ 2.0 g/kg

**Ingestion:** Oral LD<sub>50</sub> (rat): 34 g/kg

**Sensitization:** This product is not known to cause sensitization.

**Carcinogenicity/Mutagenicity:** This product is not considered to be a human or animal carcinogen.

**Teratogenicity/Reproductive Toxicity:** This product is not known to cause teratogenicity or reproductive toxicity.

## SECTION 12 - ECOLOGICAL INFORMATION

**Acute Aquatic Toxicity:** Fathead minnow: 96-hr LC<sub>50</sub>: > 1,000 mg/L

Rainbow trout: 96-hr LC<sub>50</sub>: > 1,000 mg/L

*Daphnia magna*: 48-hr EC<sub>50</sub>: 0.08 mg/L

**Biodegradation:** Similar materials have shown to be readily biodegradable under aerobic conditions.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** This product as supplied is considered non-hazardous as defined by RCRA. Dispose of in accordance with local, state and federal regulations.

## SECTION 14 - TRANSPORT CONSIDERATIONS

**Shipping Description:** DOT Non-Regulated

**Hazard Class:** NA

**ID No.:** NA

**PG:** NA

**Labels:** None

## SECTION 15 - REGULATORY CONSIDERATIONS

**OSHA Regulatory Status:** This product is a hazardous chemical under 29 CFR 1910.1200

### SARA Title III

**Section 311/312:** This product is a hazardous chemical under 29 CFR 1910.1200, and is categorized as an immediate health hazard.

**Section 313:** This product contains the following chemicals subject to 313 reporting:

None above De Minimis limit

### CERCLA:

Not applicable

### Pennsylvania Right-to-Know:

Not applicable

**California Proposition 65:** This product contains a trace chemical known to the State of California to cause cancer.

Benzene, 71-43-2; Cancer

### Chemical Control Law Status:

The components of this product are in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, China and Korea.

In addition, this material is found on international inventory listings under CAS Reg. No. 67774-74-7 including: Canada (DSL), Europe, Australia, Philippines

### WHMIS Ingredient Disclosure List:

Not applicable

**HMIS Health Rating:** 1

**HMIS Fire Rating:** 1

**HMIS Physical Hazard Rating:** 0

**HMIS Other:** NA

## SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (888) 762-7373

MSDS No.: 1-12112-2

Issue Date: 07/13/05

**Emergency Phone No.: CHEMTREC 800-424-9300**

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