



*Product Focus • Customer Commitment • Performance Flexibility*

**NAXCHEM® DDB-502**

**Product Data Sheet**

## LINEAR ALKYL BENZENE

**Description:** Nease Co. LLC offers a line of specialty sulfonated intermediates under the trade name: **NAXCHEM®**. These products are key additives and building blocks in the manufacture of textiles, inks, dyes, plastics, agricultural chemicals and metal plating.

**CAS #**

Mixture **NAXCHEM® DDB-502** is a linear alkylbenzene, C10-C13, sulfonation feedstock for producing biodegradable surfactants, powder detergents.

**Typical Properties:**

Appearance	Colorless Oily Liquid
Density (lbs/gal)	7.15-7.22 lbs/gal
Specific Gravity @ 60 °F	0.857-0.865
Flash Point, PM	290 °F (143 °C)
Boiling Point, °F	282 -302 °C
Distillation Range	283-303 °C
Alkyl Chain Distribution, wt. %	
C <sub>9</sub> & lower	1 Maximum
C <sub>10</sub>	16 Maximum
C <sub>11</sub>	26-45
C <sub>12</sub>	20-40
C <sub>10</sub> + C <sub>11</sub> +C <sub>12</sub>	70 Minimum
C <sub>13</sub>	10-30
C <sub>14</sub> & higher	3 Maximum

**Product Specifications:**

Property	Specification
Appearance	Colorless Oily Liquid
Average Molecular Weight	238.00-244.00
Water (%)	0.02 Maximum
Paraffin (%)	0.50 Maximum
Bromine Index	10.0 Maximum
2-phenyl isomer (%)	12.00-22.00

**Applications:** Polymers and Coatings Catalysts

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

**Availability:** 55 gallon drum, 275 gallon totes

**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: USA (TSCA), Australia(AICS), Japan (ENCS), Canada (DSL) Europe (EINECS), Philippines (PICCS), Korea (KECI), and China (IECSC)

**Transport Regulations**

Shipping Description: DOT Non-Regulated  
Hazard Class: NA      ID Number: NA      Packing Group: NA      Label: none

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Limited Warranty

The products sold by Nease Co. LLC ("Seller") shall conform to the Seller's current published specifications. Seller makes no other warranty, express or implied, including warranty of merchantability or fitness for particular use, whether product is used singly or in combination with other substances or in any process. Nothing contained herein should be considered as a recommendation for use of any product or method in violation of any valid patent now effective or which may issue hereafter. Prior testing for fitness for use, and compliance with all applicable statutes by the user is a strict condition on the sale of any and all of Seller's products.