

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name Linear Alkylbenzene
 Trade name NAXCHEM® DDB-501
 CAS No. 129813-58-7

Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Chemical Intermediate
 Uses advised against None

Details of the supplier of the safety data sheet

Company Identification Nease Co. LLC
 10740 Paddys Run Road
 Harrison, OH 45030

 Telephone (513) 738-1255
 Telephone (Product Information) (888) 762-7373
 Fax (513) 587-2828
 E-Mail (competent person) techservice@neaseco.com

Emergency telephone number

Emergency Phone No. (513) 738-1255
 CHEMTREC 24 hr. (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Asp. Tox. 1

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard statement(s)

May be fatal if swallowed and enters airways.

Precautionary statement(s)

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Keep out of reach of children.

Other hazards

Toxic to aquatic life with long lasting effects. Not classified as PBT or vPvB.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard statement(s)
Benzene, C10-C13 Alkyl	100%	129813-58-7	May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Additional Information – None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Unlikely to be required but if necessary treat symptomatically.
Skin Contact	Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide or foam.
-Unsuitable Extinguishing Media	Do not use water jet.

Special hazards arising from the substance or mixture

Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put on protective equipment before entering danger area.

Environmental precautions

Prevent release to the environment.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Keep away from flames and hot surfaces.

Conditions for safe storage, including any incompatibilities

-Storage Temperature	Ambient. Prevent from freezing.
-Incompatible materials	Keep away from oxidising agents. Keep container tightly closed and dry.

Specific end use(s)

Chemical Intermediate

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

Recommended monitoring method

None

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

The following to be used as necessary: Gloves (Neoprene or Natural rubber).



Respiratory protection

No personal respiratory protective equipment normally required. Avoid generation of mist. An approved dust mask should be worn if dust/mist is generated during handling.



Thermal hazards

Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Prevent entry into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Oily liquid
Colour	Colourless
Odour	Odourless
Odour Threshold (ppm)	Not available.
pH (Value)	6 - 9
Melting Point (°C) / Freezing Point (°C)	< - 60 (pour point)
Boiling point/boiling range (°C):	282 - 302 (539 - 575 °F)
Flash Point (°C)	145 (293 °F) - [Closed cup]
Evaporation rate (butyl acetate=1)	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	<0.5 @ 21 °C
Vapour Density (Air=1)	8 - 9
Density (g/ml)	0.866 @ 16 °C
Solubility (Water)	Negligible.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	238 (460 °F)
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	~ 5.75 mPa.s @ 20 °C

Explosive properties
Oxidising properties

Not available
Not oxidising.

Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials.
Incompatible materials	Reacts with oxidizers.
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

Benzene, C10-C13 Alkyl (CAS No.129813-58-7) - By analogy with similar materials:

Acute toxicity	Oral: LD50 > 5000 mg/kg-bw Dermal: LD50>2000 mg/kg
Irritation/Corrosivity	Mild irritant to rabbit skin.
Sensitization	Negative.
Repeated dose toxicity	NOAEL: <125 mg/kg/day (28 day, Oral, rat, Reduced Body weight) LOAEL: 500 mg/kg/day (105 day, Oral, rat, Reduced Body weight) NOAEL: 50 mg/kg/day (105 day, Oral, rat, Reduced Body weight)
Carcinogenicity	No information available.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	Not to be expected. NOAEL = 50 mg/kg/day (Maternal and paternal generation)

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Benzene, C10-C13 Alkyl (CAS No.129813-58-7) - By analogy with similar materials:

Short term	LC50 (14 days) > 10 µg (<i>Brachydanio rerio</i>) EC50 (48 hour) > 0.041 mg/l (<i>Daphnia magna</i>) EC50 (72 hour) >100 mg/l (<i>Scenedesmus subspicatus</i>)
Long Term	LOEC (21 days) = 0.015 mg/l (<i>Daphnia magna</i>)
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has low potential for bioaccumulation.
Mobility in soil	The product has low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name		Not classified as dangerous for transport.	
Transport hazard class(es)			
Packing group			
Hazard label(s)			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Canada Domestic Substance List (NDSL/DSL) - Listed NDSL

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories:

Fire
 Sudden Release
 Reactivity
 Immediate (acute)
 Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SECTION 16: OTHER INFORMATION

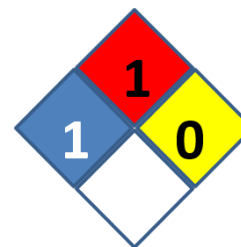
The following sections contain revisions or new statements: 1-16.

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Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)



NAXCHEM® DDB-501

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