

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Sulfonic acids, petroleum, calcium salts
Trade name	NAXATE™ 260L
CAS No.	Mixture

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

Identified use(s)	Surfactant
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
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Eye Dam. 1; Flam. Liq. 4; Skin Irrit. 2; Acute Tox. 4
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Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard statement(s)

Causes serious eye damage.
Combustible liquid.
Causes skin irritation.
Harmful if swallowed.
Harmful if inhaled.

Precautionary statement(s)

Keep away from flames and hot surfaces. No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin after use.
Avoid breathing dust/fume/gas/mist/vapours/spray.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Not classified as PBT or vPvB.

Other hazards

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard statement(s)
Calcium dodecylbenzene sulfonate	55 - 65%	26264-06-2	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Harmful to aquatic life.
2-Ethylhexanol	35 - 45%	104-76-7	Combustible liquid Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Additional Information – None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration.
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	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Drink two glasses of water. Call a physician. If swallowed, and the victim is conscious and alert, induce vomiting immediately, as directed by medical personnel.

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide or foam.
-Unsuitable Extinguishing Media	None anticipated.

Special hazards arising from the substance or mixture None anticipated.

Advice for fire-fighters Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Put on protective equipment before entering danger area.

Environmental precautions Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up Cover spills with inert absorbent material. Sweep spilled substances into containers. Transfer to a container for disposal.

Reference to other sections None
 Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Keep away from flames and hot surfaces. No smoking. Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin after use.

Conditions for safe storage, including any incompatibilities

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

Specific end use(s) Surfactant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		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 Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Viscous liquid
Colour	Clear Amber
Odour	Mild alcohol
Odour Threshold (ppm)	Not available.
pH (Value)	6.0 – 7.0 (5% in 25% IPA/Water)

Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>75 (>167 °F)
Evaporation rate (butyl acetate=1)	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	26.6 (0.2 mmHg) @ 20 °C (2-Ethylhexanol)
Vapour Density (Air=1)	Not available.
Density (g/ml)	Not available.
Solubility (Water)	Soluble
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available
Explosive properties	Not available
Oxidising properties	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, Sulphur oxides,

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

Calcium dodecylbenzene sulfonate (CAS No. 26264-06-2)

Acute toxicity	Oral: LD50 = 620-900 mg/kg-bw Dermal: LD50 > 2000 mg/kg Inhalation: LD50 > 1.79 mg/l, 4 hour(s)
Irritation/Corrosivity	Causes serious eye damage. Causes skin irritation (By analogy with similar materials)
Sensitization	Not to be expected. (By analogy with similar materials)
Repeated dose toxicity	NOEL = 1 mg/kg bw/day (28 days, Oral gavage) (By analogy with similar materials) LOAEL = 250 mg/kg bw/day (28 days, Oral gavage) (By analogy with similar materials)
Carcinogenicity	No evidence of carcinogenicity (By analogy with similar materials)

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

Mutagenicity	There is no evidence of mutagenic potential (By analogy with similar materials)
Toxicity for reproduction	Not to be expected. (By analogy with similar materials)

2-Ethylhexanol (CAS No. 104-76-7)

Acute toxicity

Oral: LD50= 2047 mg/kg-bw
 Inhalation: LC50 1-4 mg/l, (4 h , Aerosol)
 Dermal: LD0 >3000 mg/kg

Irritation/Corrosivity

Causes skin irritation. Causes eye irritation.

Sensitization

None.

Repeated dose toxicity

NOEL = 125 mg/kg bw/day (90 days, Oral gavage)
 NOAEL = 250 mg/kg bw/day (90 days, Oral gavage)
 NOAEC = 120 ppm (638.4 mg/m³) (90 days, Inhalation)

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man. NOAEL (carcinogenicity) = 750 mg/kg bw/day (mice)

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 for parental and developmental toxicity = 3000 ppm

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Calcium dodecylbenzene sulfonate (CAS No. 26264-06-2)

Short term	LC50 (96 hour) = 62-163 mg/l (<i>rainbow trout</i>)
Long Term	Not available.
Persistence and degradability	Readily biodegradable (By analogy with similar materials)
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

2-Ethylhexanol (CAS No. 104-76-7)

Short term	LC50 (96 hour) = 17.1 mg/L mg/l (<i>Leuciscus idus melanotus</i>) EC50 (48 hour) = 39 mg/l (<i>Daphnia magna</i>)
Long Term	Not available.
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The substance has a low potential for bioaccumulation.
Mobility in soil	The substance has moderate 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			
Transport hazard class(es)			
Packing group			

Not classified as dangerous for transport.
*(see footnote)

Hazard label(s)

Environmental hazards

Special precautions for user

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

* Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons). Bulk packaging regulated as NA1993, Combustible Liquid, n.o.s. (2-Ethylhexanol), Class 3, Packing Group III. Contains a substance with an Reportable Quantity. Containers over 1000 pounds (454 kg) will require "RQ" to be listed as part of the proper shipping name.

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 DSL

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

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Calcium dodecylbenzene sulfonate	26264-06-2	55 - 65	1000

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.

Date of preparation: December 27, 2014

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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