

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade name	NAXSOFT® 40S
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 Irrit. 2; Skin Irrit. 2
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Label elements

Hazard Symbol



WARNING

Signal word(s)

Hazard statement(s)

Causes serious eye irritation.

Causes skin irritation.

Precautionary statement(s)

Wash hands and exposed skin after use.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Other hazards

Toxic to aquatic life. Harmful 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)
Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt	36-38 %	68081-81-2	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Sodium xylenesulfonate	< 4	1300-72-7	Causes eye irritation.
Water	50 - 60 %	7732-18-5	Not applicable

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 with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. Rinse mouth.

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 Do not get in eyes. Wash hands and exposed skin after use.

Conditions for safe storage, including any incompatibilities

-Storage Temperature Keep container tightly closed and dry. This product should be stored at a temperature greater than: 0°C (32°F). Do not allow material to freeze.

-Incompatible materials Keep away from oxidising agents. Reacts with water. 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 None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Yellow.
Odour	Mild
Odour Threshold (ppm)	Not available.

pH (Value)	7 - 9.5
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>121 (250 °F)
Evaporation rate (butyl acetate=1)	<1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Approximately that of Water
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

Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt (CAS No.68081-81-2) - By analogy with similar materials:

Acute toxicity	Oral: LD50 = 1080 mg/kg-bw Dermal: LD50 >2000 mg/kg
Irritation/Corrosivity	Causes serious eye irritation.Causes skin irritation.
Sensitization	None.
Repeated dose toxicity	NOAEL = 125 mg/kg bw/day (28 days, Oral gavage) LOAEL = 250 mg/kg bw/day (28 days, Oral gavage)
Carcinogenicity	No evidence of carcinogenicity.

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

Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None

Sodium xylenesulfonate (CAS No. 1300-72-7) - (By analogy with similar materials):

Acute toxicity	Oral: LD50 > 16200 mg/kg-bw Dermal: LD50 > 2000 mg/kg-bw Inhalation: LC50 > 6.41 mg/l 232 min,rat (By analogy with similar materials)
Irritation/Corrosivity	Causes eye irritation.
Sensitization	It is not a skin sensitizer. (By analogy with similar materials)

Repeated dose toxicity NOAEL: > 763 active ingredient/kg bw/day (in diet for 90 days, rat)
(By analogy with similar materials)

Carcinogenicity It is unlikely to present a carcinogenic hazard to man. (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 None anticipated (By analogy with similar materials)

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt (CAS No. 68081-81-2) - By analogy with similar materials:

Short term LC50 (96 hour) = 1.67 mg/l (*Lepomis macrochirus*)
EC50 (96 hour) = 3.5 mg/l (*Hyalella azteca*)

Long Term NOEC (90 day) = 0.25 mg/l (*Tilapia mossambica*)
LOEC (90 day) = 0.51 mg/l (*Tilapia mossambica*)
LOEC (28 day) = 4 mg/l (*P. parthenogenica*)

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.

Sodium xylenesulfonate (CAS No. 1300-72-7) - (By analogy with similar materials):

Short term LC50 (96 hour): > 1000 mg/L (*Oncorhynchus mykiss*) (By analogy with similar materials)
EC50 (48 hour): >40.3 mg/l (*Daphnia magna*, mobility)
EC50 (96 hour): > 230 mg/l (*Pseudokirchnerella subcapitata*) (By analogy with similar materials)

Long Term Scientifically unjustified.

Persistence and degradability Readily biodegradable
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.

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)		Not classified as dangerous for transport.	
Packing group		* 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 applicable

* Contains a substance with an Reportable Quantity. Containers over 5,883 pounds will be regulated for transport as UN3082, Environmentally Hazardous Substance, Class 9, Packing Group III, Marine Pollutant placard.

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: **On active TSCA list**

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)
Sodium dodecylbenzenesulfonate	25155-30-0	< 17	1,000

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

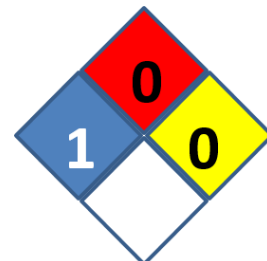
The following sections contain revisions or new statements: 15

Date of preparation: July 24, 2019

Additional Information:

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FLAMMABILITY	<input type="text" value="0"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
Personal Protection	B

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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