

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade name	Naxsoft SAS
CAS No.	Trade Secret

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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****FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY****

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Irrit 2; Eye Irrit 2
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Label elements

Hazard Symbol



Signal Word(s)

WARNING

Hazard Statement(s)

Causes skin irritation
Causes serious eye irritation.

Precautionary Statement(s)

Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical treatment.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Other hazards

Not classified as PBT or vPvB.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Proprietary surfactant blend	28-32%	Trade Secret	Causes skin irritation Causes serious eye irritation.
Water	68-72%	7732-18-5	Not applicable

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms occur obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical treatment.

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. Water spray should be used to cool containers.
-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. Avoid inhalation of vapours.

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

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Do not use metal containers for spilled liquid. Wash the spillage area with water. If possible prevent water running into sewers.

**Reference to other sections
Additional Information**

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep container closed when not in use. Empty containers may contain residues. Do not use metal containers for storage as the phosphoric acid will react with the metal to liberate flammable hydrogen gas Do not get in eyes, on skin, or on clothing.

Conditions for safe storage, including any incompatibilities

-Storage Temperature This product should be stored at a temperature greater than: 20°C (68°F).
-Incompatible materials Attacks many materials and clothing. 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)	
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Recommended monitoring method

None

Exposure controls

Appropriate engineering controls

Local exhaust required.

Personal protection equipment

Eye/face protection



The following to be used as necessary: Goggles giving complete protection to eyes. Full face shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary:Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection



No personal respiratory protective equipment normally required.

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	Liquid
Colour	Clear / Yellow
Odour	Mild
Odour Threshold (ppm)	Not available.
pH (Value)	6-10
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>100 (212 °F)
Evaporation rate	<1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	≈1.03 @ 20°C
Solubility (Water)	Dispersible.
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 explosive.
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, reducing agent
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

Proprietary surfactant 1 (CAS No. Trade Secret) (By analogy with similar materials)

Acute toxicity	Oral: LD50 > 2000 mg/kg-bw Dermal: LD50 > 2000 mg/kg-bw
Irritation/Corrosivity	Causes serious eye damage. Causes skin irritation.
Sensitization	No information available
Repeated dose toxicity	No information available
Carcinogenicity	No information available

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

Mutagenicity	No information available
Toxicity for reproduction	No information available

Proprietary surfactant 2 (CAS No. Trade Secret) (By analogy with similar materials)

Acute toxicity	Oral: LD50 = >700000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC50 . 6.41 MG/L 232MIN
Irritation/Corrosivity	Causes skin irritation
Sensitization	Not a skin sensitizer
Repeated dose toxicity	NOAEL: >763 active ingredient/kg bw/day (in diet for 90 days, in

diet, rat)
No information available

Carcinogenicity

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

Mutagenicity

There is no evidence of mutagenic potential.

Toxicity for reproduction

Not anticipated

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

Proprietary surfactant 1 (CAS No. Trade Secret) (By analogy with similar materials)

Short term	LC50 (96 hour): 1-10 mg/l mg/L (<i>Danio rerio</i>) EC50 (48 hour): 9.81 mg/l (<i>Daphnia magna</i> , mobility) EC50 (96 hour): > 61 mg/l (<i>Desmodesmus subspicatus</i>)
Long Term	No data.
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	No data.
Mobility in soil	No data.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

Proprietary surfactant 2 (CAS No. Trade Secret) (By analogy with similar materials)

Short term	LC50 (96 hour): > 1000 mg/l (<i>Oncorhynchus mykiss</i>) EC50 (48 hour): 54 mg/l (<i>Daphnia magna</i> , mobility) EC50 (96 hour): > 230 mg/l (<i>Pseudokirchnerella subcapitata</i>)
Long Term	Scientifically unjustifiable
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	No data.
Mobility in soil	No data.
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 Regulated for transport	
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: Not established.

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 (DSL/NDSL)

- Listed DSL: Proprietary surfactant 1, Proprietary surfactant 3

- Listed NDSL: Proprietary surfactant 2

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):

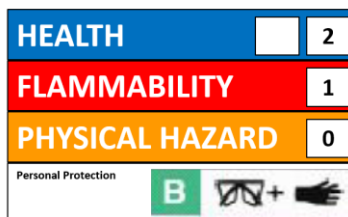
Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1

Date of preparation: April 30, 2015

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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