

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Trade name	NAXSOFT® NA-8
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)	Flam. Liq. 4; Eye Dam. 1; Skin Irrit. 2
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Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard statement(s)

Combustible liquid
Causes serious eye damage.
Causes skin irritation.

Precautionary statement(s)

Keep away from flames and hot surfaces. No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands thoroughly after handling.
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.

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

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Sodium Octane sulfonate	35 - 40%	5324-84-5	Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Isopropyl alcohol	2 - 5%	67-63-0	Causes serious eye irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapour.
Sodium sulfate	1 - 5%	7757-82-6	Not applicable
Water	55 - 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 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. Take off contaminated clothing and wash before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
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. 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	None anticipated.
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. Wash the spillage area with water. Prevent entry into drains.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Keep container tightly closed and in a well-ventilated place. Do not allow material to freeze.
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	Oxidizers
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)	
Isopropyl alcohol	67-63-0	400 ppm	200 ppm	----	400 ppm	

Recommended monitoring method NIOSH 1400 (alcohols I)

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.



Thermal hazards Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White/Yellowish
Odour	Mild
Odour Threshold (ppm)	Not available.
pH (Value)	4 - 6
Melting Point (°C) / Freezing Point (°C)	-2.7 (27°F)
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	77 (171 °F)
Evaporation rate (butyl acetate=1):	<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)	1.104 @ 25 °C
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 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. Keep away from fire.
Incompatible materials	Reacts with oxidizers.
Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Sulphur oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact

Substances in preparations / mixtures

Sodium Octane sulfonate (CAS No. 5324-84-5) - By analogy with similar materials:

Acute toxicity	Oral: LD50 = 1200 mg/kg bw Dermal: LD50 > 2000 mg/kg
Irritation/Corrosivity	Causes serious eye damage. Causes skin irritation.
Sensitization	It is not a skin sensitiser.
Repeated dose toxicity	NOAEL: 488 mg/kg/day (13 weeks, feed, Systemic effects) LOAEL: 1016 mg/kg/day (13 weeks, feed, Systemic effects)
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

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: >300 mg/kg/day (parental) NOEL: >300 mg/kg/day (developmental)

Isopropanol (CAS# 67-63-0):

Acute toxicity	Oral: LD50 > 5.84 g/kg (rat) Inhalation: > 10000 ppm (rat) Dermal: LD50 = 16.4 mL/kg (rabbit) 24 hour(s) May cause drowsiness or dizziness.
Irritation/Corrosivity	Irritating to eyes.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	NOAEL = 5,000 ppm (Inhalation) May cause drowsiness or dizziness.
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

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

Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	There is no evidence of toxicity to the reproduction system

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

Sodium Octane sulfonate (CAS No. 5324-84-5) - By analogy with similar materials:

Short term	LC50 (96 hour): 29 mg/L (<i>Pimephales promelas</i>) LC50 (48 hour): 5.55 mg/l (<i>Ceriodaphnia dubia</i> , mortality) EC50 (72 hour): >120 mg/l (<i>Desmodemus subspicatus</i>)
Long Term	NOEC (42 days): >1.357 mg/l (<i>Pimephales promelas</i> , <i>Weight</i>) NOEC (7 days): 0.88 mg/L (<i>Ceriodaphnia dubia</i> , <i>reproduction</i>)
Persistence and degradability	Biodegradable.
Bioaccumulative potential	Not available.
Mobility in soil	The substance has low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None

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.
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Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)*	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	NA 1993	Not classified as dangerous for transport.	
Proper Shipping Name	Combustible liquid, n.o.s. (Contains: Petroleum Distillate)		
Transport hazard class(es)	Comb. Liq.		
Packing group	III		
Hazard label(s)	Combustible Liquid		
Environmental hazards	No		
Special precautions for user	None assigned		

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

*Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons).

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)
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):

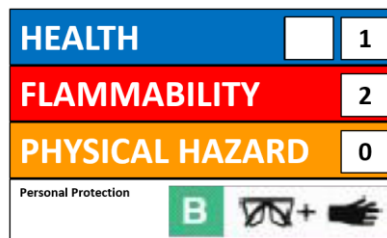
Chemical Name	CAS No.	Typical %wt.
None	-----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 2

Date of preparation: March 16, 2015

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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