

## 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 - 43%	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.
<b>Most important symptoms and effects, both acute and delayed</b>	None
<b>Indication of any immediate medical attention and special treatment needed</b>	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

<b>Personal precautions, protective equipment and emergency procedures</b>	Put on protective equipment before entering danger area.
<b>Environmental precautions</b>	None anticipated.
<b>Methods and material for containment and cleaning up</b>	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.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Keep container tightly closed and in a well-ventilated place. Do not allow material to freeze.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage Temperature	This product should be stored at a temperature greater than: 16 °C (60.8 °F).
-Incompatible materials	Oxidizers
<b>Specific end use(s)</b>	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)	10° (50°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.
<b>Other information</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials. Keep away from fire.
<b>Incompatible materials</b>	Reacts with oxidizers.
<b>Hazardous Decomposition Product(s)</b>	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:

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

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

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	Not to be expected. NOAEL: >300 mg/kg/day (parental) NOEL: >300 mg/kg/day (developmental)

Isopropanol (CAS# 67-63-0):

<b>Acute toxicity</b>	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.
<b>Irritation/Corrosivity</b>	Irritating to eyes.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEL = 5,000 ppm (Inhalation) May cause drowsiness or dizziness.
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

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

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	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> , Weight) NOEC (7 days): 0.88 mg/L ( <i>Ceriodaphnia dubia</i> , reproduction)
<b>Persistence and degradability</b>	Biodegradable.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	The substance has low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	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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<b>Additional Information</b>	None known.
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## SECTION 14: TRANSPORT INFORMATION

	<b>Land transport (U.S. DOT)*</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	NA 1993	Not classified as dangerous for transport.	
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s. (Contains: Isopropanol)		
<b>Transport hazard class(es)</b>	Comb. Liq.		
<b>Packing group</b>	III		
<b>Hazard label(s)</b>	Combustible Liquid		
<b>Environmental hazards</b>	No		
<b>Special precautions for user</b>	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: **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)
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

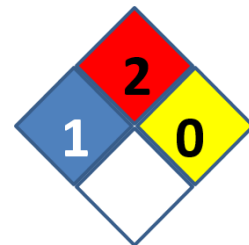
The following sections contain revisions or new statements: 15

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Additional Information:

<b>HEALTH</b>	<input type="text"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="text"/>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<input type="text"/>	<b>0</b>
Personal Protection	<b>B</b>	

HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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