

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Trade name	NAXOLATE® AS-LN90
CAS No.	68585-47-7

**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; Skin Irrit. 2; May form combustible dust concentrations in air.

**Label elements**



**DANGER**

Signal word(s)

Hazard statement(s)

Causes serious eye damage.  
Causes skin irritation.  
May form combustible dust concentrations in air

Precautionary statement(s)

Wear protective gloves/protective clothing/eye protection/face protection.  
Keep work areas free of dust accumulation. Enclosed material handling equipment (conveyors, ventilation, precipitators, etc.) must be designed and maintained so as not to be a source of ignition. 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. Get immediate medical attention.  
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 SWALLOWED: rinse mouth. Do NOT induce vomiting.

**Other hazards**

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)
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	>90%	68585-47-7	Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.
Dodecyl alcohol	<3%	112-53-8	Causes eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Sodium sulfate	<6%	7757-82-6	None
Water	<4%	7732-18-5	None

**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. Remove contaminated clothing and wash clothing before reuse.

Eye Contact

Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion

If ingested, 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 or foam. Do not use water jet on a leak from the tank. 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. Water spray should be used to cool containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Remove all ignition sources. Avoid breathing dust. Put on protective equipment before entering danger area.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<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. If possible prevent water running into sewers.
<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 in a well-ventilated place. Keep container closed. Empty container may contain product residues. Ground/bond container and receiving equipment. Follow precautions for safe handling after container is empty.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage Temperature	Not specified.
-Incompatible materials	None known.
<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 mg/m <sup>3</sup> )		STEL (mg/m <sup>3</sup> )		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Particulate Matter	-----	15 <sup>^</sup> / 10 <sup>*</sup>	10 <sup>^^</sup> / 3 <sup>*</sup>	-----	-----	See below

- TWA = Time-Weighted Average; STEL: Short Term Exposure Limit;
- <sup>^</sup>Total Dust / <sup>\*</sup>Respirable Dust / <sup>^^</sup>Inhalable Dust

### Recommended monitoring method

NIOSH O500 / 0600, IOM Sampling Method

### 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). Check with protective equipment manufacturer's data.



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	solid
Colour	White
Odour	Mild, Fatty Odour
Odour Threshold (ppm)	Not available.
pH (Value)	7- 9.5 (1% aqueous solution)
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	Not applicable.
Evaporation rate (butyl acetate=1)	Not available.
Flammability (solid, gas)	May form combustible dust concentrations in air.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Low.
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

<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.
<b>Incompatible materials</b>	None known.
<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

Sulfuric acid, mono-C10-a6 alkyl esters, sodium salts (CAS 68585-47-7)

<b>Acute toxicity</b>	Oral: LD50 = 1200 mg/kg bw Dermal: LD50 > 2000 mg/kg (By analogy with similar materials)
<b>Irritation/Corrosivity</b>	Causes serious eye damage. Causes skin irritation.
<b>Sensitization</b>	It is not a skin sensitiser. (By analogy with similar materials)
<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) (By analogy with similar materials) NOEL: >300 mg/kg/day (developmental) (By analogy with similar materials)

Dodecyl alcohol (CAS No. 112-53-8)

<b>Acute toxicity</b>	Oral: LD50 > 2000 mg/kg bw Dermal: LD50 = 8000-12000 mg/kg Inhalation: LC50 > 71 mg/l (1 hour, mist, By analogy with similar materials)
<b>Irritation/Corrosivity</b>	Causes eye irritation. Not Irritating to skin.
<b>Sensitization</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEL:= 2000 mg/kg/day (14-54 days, feed, Systemic effects) NOEL: <100 mg/kg/day (14-54 days, 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:= 2000 mg/kg/day (parental)

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

Sulfuric acid, mono-C10-a6 alkyl esters, sodium salts (CAS 68585-47-7)

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>Desmodesmus 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

Dodecyl alcohol (CAS No. 112-53-8)

Short term	LC50 (96 hour): 1.01 mg/L ( <i>Pimephales promelas</i> ) LC50 (48 hour): 0.765 mg/l ( <i>Daphnia magna</i> , immobilisation) EC50 (72 hour): 0.33 mg/l ( <i>Desmodesmus subspicatus</i> )
Long Term	NOEC (21 days): 14 µg/l ( <i>Daphnia magna</i> , reproduction)
<b>Persistence and degradability</b>	Readily biodegradable.
<b>Bioaccumulative potential</b>	The substance has low potential for bioaccumulation.
<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>	Dispose of contents in accordance with local, state or national legislation.
<b>Additional Information</b>	None known.

## SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name		Not classified as dangerous for transport	
Transport hazard class(es)			
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:

## 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 (DSL) - Listed

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):

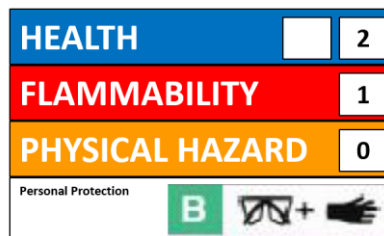
Chemical Name	CAS No.	Typical %wt.
None	-----	----

## SECTION 16: OTHER INFORMATION

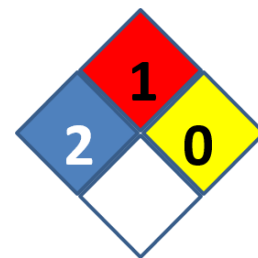
The following sections contain revisions or new statements: 5

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Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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