

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

|               |              |
|---------------|--------------|
| Chemical Name | Mixture      |
| Trade name    | NAXATE™ 260L |
| 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<br>10740 Paddys Run Road<br>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<br>CHEMTREC 24 hr. (800) 424-9300 |
|---------------------|--|

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

|                             |   |
|-----------------------------|---|
| OSHA HCS (29 CFR 1910.1200) | Flam. Liq. 4; Skin Irrit. 2; Eye Irrit. 2 |
|-----------------------------|---|

**Label elements**

Hazard Symbol



**WARNING**

Signal word(s)

Hazard statement(s)

Combustible liquid.  
Causes serious eye irritation.  
Causes skin irritation.

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

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.

Precautionary statement(s)

**Other hazards**

Harmful to aquatic life. 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)  |
|--|----------|------------|--|
| Calcium dodecylbenzene sulfonate       | 55 - 65% | 68584-23-6 | Not classified as dangerous for supply/use.  |
| 2-Ethylhexanol                         | 35 - 45% | 104-76-7   | Combustible liquid<br>Harmful if inhaled.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>Harmful to aquatic life. |

**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.                      |
| 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    | 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.

## 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

Keep away from flames and hot surfaces. No smoking. Do not get in eyes.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands and exposed skin after use.

### Conditions for safe storage, including any incompatibilities

-Storage Temperature: Ambient temperatures.  
-Incompatible materials: 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) |       |
| 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

Do not allow to enter drains, sewers or watercourses.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|  |                                 |
|--|---------------------------------|
| Appearance                               | Viscous liquid                  |
| Colour                                   | Clear Amber                     |
| Odour                                    | Mild alcohol                    |
| Odour Threshold (ppm)                    | Not available.                  |
| pH (Value)                               | 6.0 – 7.0 (5% in 25% IPA/Water) |
| Melting Point (°C) / Freezing Point (°C) | Not available.                  |
| Boiling point/boiling range (°C):        | Not available.                  |
| Flash Point (°C)                         | >75 (>167 °F)                   |

|   |  |
|---|--|
| Evaporation rate (butyl acetate=1)      | Not available.                           |
| Flammability (solid, gas)               | Not applicable.                          |
| Explosive limit ranges                  | Not available.                           |
| Vapour Pressure (Pascal)                | 26.6 (0.2 mmHg) @ 20 °C (2-Ethylhexanol) |
| 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>             | Reacts with oxidizers.                           |
| <b>Hazardous Decomposition Product(s)</b> | Carbon monoxide, Carbon dioxide, Sulphur oxides, |

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Substances in preparations / mixtures**

Calcium dodecylbenzene sulfonate (CAS No. 68584-23-6) - By analogy with similar materials:

|                               |   |
|-------------------------------|---|
| <b>Acute toxicity</b>         | Oral: LD50 > 2000 mg/kg-bw<br>Dermal: LD50 > 2000 mg/kg   |
| <b>Irritation/Corrosivity</b> | Not to be expected.   |
| <b>Sensitization</b>          | Not to be expected.   |
| <b>Repeated dose toxicity</b> | Not to be expected.<br>- NOAEL = 125 mg/kg bw/day (28 days, Oral gavage)<br>- LOAEL = 250 mg/kg bw/day (28 days, Oral gavage) |
| <b>Carcinogenicity</b>        | Not to be expected.   |

| NTP | IARC | ACGIH | OSHA | NIOSH |
|-----|------|-------|------|-------|
| No. | No.  | No.   | No.  | No.   |

|                                  |                     |
|----------------------------------|---------------------|
| <b>Mutagenicity</b>              | Not to be expected. |
| <b>Toxicity for reproduction</b> | Not to be expected. |

2-Ethylhexanol (CAS No. 104-76-7):

|                               |  |
|-------------------------------|--|
| <b>Acute toxicity</b>         | Oral: LD50= 2047 mg/kg-bw<br>Inhalation: LC50 1-4 mg/l, (4 h , Aerosol)<br>Dermal: LD0 >3000 mg/kg                         |
| <b>Irritation/Corrosivity</b> | Causes skin irritation. Causes eye irritation.   |
| <b>Sensitization</b>          | None.  |
| <b>Repeated dose toxicity</b> | Not to be expected.<br>-NOEL = 125 mg/kg bw/day (90 days, Oral gavage)<br>-NOAEL = 250 mg/kg bw/day (90 days, Oral gavage) |

-NOAEC = 120 ppm (638.4 mg/m<sup>3</sup>) (90 days, Inhalation)

**Carcinogenicity**

It is unlikely to present a carcinogenic hazard to man. NOAEL (carcinogenicity) = 750 mg/kg bw/day (mice)

| 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 for parental and developmental toxicity = 3000 ppm

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

Calcium dodecylbenzene sulfonate (CAS No. 68584-23-6) - By analogy with similar materials:

|            |   |
|------------|---|
| Short term | LC50 (96 hour) >100 mg/l (Fish)<br>LC50 (96 hour) >100 mg/l (Aquatic Invertebrates)<br>EC50 (72 hour) >100 mg/l (Algae) |
| Long Term  | NOEC (72 hour) >100 mg/l (Algae)  |

2-Ethylhexanol (CAS No. 104-76-7):

|            |  |
|------------|--|
| Short term | LC50 (96 hour) = 17.1 mg/L mg/l ( <i>Leuciscus idus melanotus</i> )<br>EC50 (48 hour) = 39 mg/l ( <i>Daphnia magna</i> ) |
| Long Term  | Not available.   |

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulative potential**

The product has low potential for bioaccumulation.

**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<br>(U.S. DOT)* | Sea transport<br>(IMDG)                    | Air transport<br>(ICAO/IATA) |
|--|-------------------------------|--|------------------------------|
| UN number  |                               |  |                              |
| Proper Shipping Name   |                               | Not classified as dangerous for transport. |                              |
| Transport hazard class(es)   |                               | *(see footnote)                            |                              |
| 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 regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons). Bulk packaging regulated as NA1993, Combustible Liquid, n.o.s. (2-Ethylhexanol), Class 3, Packing Group III. Contains a substance with an Reportable Quantity. Containers over 1500 pounds (680 kg) will require "RQ" to be listed as part of the proper shipping name.

## 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) |
|----------------------------------|------------|--------------|-------------|
| Calcium dodecylbenzene sulfonate | 68584-23-6 | 55 - 65      | 1000        |

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):

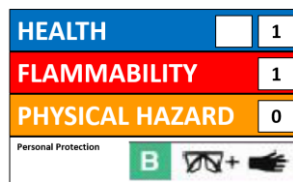
| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None          | -----   | -----        |

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 15

Date of preparation: July 22, 2019

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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