

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

|               |              |
|---------------|--------------|
| Chemical Name | Mixture      |
| Trade name    | NAXSOFT® 40S |
| 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) | Eye Dam. 1; Skin Irrit. 2 |
|-----------------------------|---------------------------|

#### Label elements

Hazard Symbol



#### DANGER

Signal word(s)

Hazard statement(s)

Causes serious eye damage.  
Causes skin irritation.

Precautionary statement(s)

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. Get medical advice/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.

#### 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

| Composition/information on ingredients                  | %W/W      | CAS No.      | Hazard statement(s)  |
|---|-----------|--------------|--|
| Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt | 36-38 %   | 68081-81-2   | Harmful if swallowed.<br>Causes skin irritation.<br>Causes serious eye damage.<br>Toxic to aquatic life.<br>Harmful to aquatic life with long lasting effects. |
| Aromatic sulfonic acid, salt                            | < 4       | Trade Secret | Causes eye irritation.   |
| Water   | 50 - 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 irritation (redness, rash, blistering) develops, get medical attention.    |
| Eye Contact  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.                            |
| 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** Do not get in eyes. Wash hands and exposed skin after use.

**Conditions for safe storage, including any incompatibilities**

-Storage Temperature Keep container tightly closed and dry. This product should be stored at a temperature greater than: 0°C (32°F). Do not allow material to freeze.

-Incompatible materials Keep away from oxidising agents. Reacts with water. 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** None.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                       |                 |
|-----------------------|-----------------|
| Appearance            | Viscous liquid. |
| Colour                | Yellow.         |
| Odour                 | Mild            |
| Odour Threshold (ppm) | Not available.  |

|  |                             |
|--|-----------------------------|
| pH (Value)                               | 7 - 9.5                     |
| Melting Point (°C) / Freezing Point (°C) | Not available.              |
| Boiling point/boiling range (°C):        | Not available.              |
| Flash Point (°C)                         | >121 (250 °F)               |
| Evaporation rate (butyl acetate=1)       | <1                          |
| Flammability (solid, gas)                | Not applicable.             |
| Explosive limit ranges                   | Not available.              |
| Vapour Pressure (Pascal)                 | Approximately that of Water |
| 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.              |
| <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.                         |
| <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**

Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt (CAS No.68081-81-2) - By analogy with similar materials:

|                               |  |
|-------------------------------|--|
| <b>Acute toxicity</b>         | Oral: LD50 = 1080 mg/kg-bw<br>Dermal: LD50 >2000 mg/kg   |
| <b>Irritation/Corrosivity</b> | Causes serious eye damage. Causes skin irritation.   |
| <b>Sensitization</b>          | None.  |
| <b>Repeated dose toxicity</b> | NOAEL = 125 mg/kg bw/day (28 days, Oral gavage)<br>LOAEL = 250 mg/kg bw/day (28 days, Oral gavage) |
| <b>Carcinogenicity</b>        | No evidence of carcinogenicity.  |

| 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> | None   |

Aromatic sulfonic acid, salt (CAS No. Trade secret):

|                               |   |
|-------------------------------|---|
| <b>Acute toxicity</b>         | Oral: LD50 > 16200 mg/kg-bw<br>Dermal: LD50 > 2000 mg/kg-bw<br>Inhalation: LC50 > 6.41 mg/l 232 min,rat (By analogy with similar materials) |
| <b>Irritation/Corrosivity</b> | Causes eye irritation.  |
| <b>Sensitization</b>          | It is not a skin sensitizer. (By analogy with similar materials)  |

**Repeated dose toxicity** NOAEL: > 763 active ingredient/kg bw/day (in diet for 90 days, rat)  
(By analogy with similar materials)

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man. (By analogy with similar materials)

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

**Mutagenicity** There is no evidence of mutagenic potential. (By analogy with similar materials)

**Toxicity for reproduction** None anticipated (By analogy with similar materials)

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Benzenesulfonic acid, C10-16-alkyl derivs., sodium salt (CAS No.68081-81-2)- By analogy with similar materials:

Short term LC50 (96 hour) = 1.67 mg/l (*Lepomis macrochirus*)  
EC50 (96 hour) = 3.5 mg/l (*Hyalella azteca*)

Long Term NOEC (90 day) = 0.25 mg/l (*Tilapia mossambica*)  
LOEC (90 day) = 0.51 mg/l (*Tilapia mossambica*)  
LOEC (28 day) = 4 mg/l (*P. parthenogenica*)

**Persistence and degradability** Readily biodegradable.  
**Bioaccumulative potential** The substance has a low potential for bioaccumulation.  
**Mobility in soil** The substance has moderate mobility in soil.  
**Results of PBT and vPvB assessment** Not classified as PBT or vPvB.  
**Other adverse effects** None known.

Aromatic sulfonic acid, salt (CAS No. Trade secret):

Short term LC50 (96 hour): > 1000 mg/L (*Oncorhynchus mykiss*) (By analogy with similar materials)  
EC50 (48 hour): >40.3 mg/l (*Daphnia magna*, mobility)  
EC50 (96 hour): > 230 mg/l (*Pseudokirchnerella subcapitata*) (By analogy with similar materials)

Long Term Scientifically unjustified

**Persistence and degradability** Readily biodegradable  
**Bioaccumulative potential** Not available.  
**Mobility in soil** Not available.  
**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       |                               |                         |                              |
| Transport hazard class(es) |                               |                         |                              |
| Packing group              |                               |                         |                              |

**Not classified as dangerous for transport.**

Hazard label(s)  
 Environmental hazards  
 Special precautions for user

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

\*Contains a substance with an Reportable Quantity. Containers over 5,883 pounds will be regulated for transport as Class 9 Environmentally Hazardous Substance.

## 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) |
|--------------------------------|------------|--------------|-------------|
| Sodium dodecylbenzenesulfonate | 25155-30-0 | < 17         | 1,000       |

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):

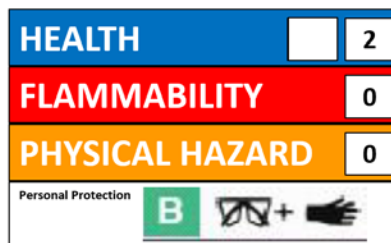
| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None          | -----   | ----         |

## SECTION 16: OTHER INFORMATION

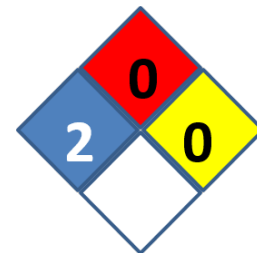
The following sections contain revisions or new statements: 1-16.

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Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

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