SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
- Chemical Name: Mixture
- Trade name: NAXAN® 110
- 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

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Label elements
- Hazard Symbol

Signal word(s)
- WARNING

Hazard statement(s)
- Causes eye irritation.

Precautionary statement(s)
- 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. If eye irritation persists: Get medical advice/attention.
- For professional users only.

Other hazards
- Not classified as PBT or vPvB.

Additional Information
- None
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Composition/Information on ingredients</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, sulfonated, sodium salts</td>
<td>45-55%</td>
<td>111163-74-7</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Butanedioic acid, sulfo-1,4-bis(2-ethylhexyl) ester, sodium salt</td>
<td>2%</td>
<td>577-11-7</td>
<td>Causes serious eye damage. Causes skin irritation. Toxic to aquatic life.</td>
</tr>
<tr>
<td>Water</td>
<td>45-50%</td>
<td>7732-18-5</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Additional Information — Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.
- Ethanol (CAS No. 64-17-5) <0.2

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
Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Continue rinsing. If irritation develops and persists, get medical 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
None anticipated.
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.

Conditions for safe storage, including any incompatibilities

- Storage Temperature

Store in a well-ventilated place. Store at room temperature. Prevent from freezing. This product should be stored at a temperature greater than: 31°C (88°F). The product will precipitated at 21°C (70°F).

- 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

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>STEL (ppm)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

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.

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

Liquid.

Colour

Amber to Brown
Odour: Mild Aromatic.
Odour Threshold (ppm): Not available.
PH (Value): 7.0 - 10.5
Melting Point (°C) / Freezing Point (°C): Not available.
Boiling point/boiling range (°C): 100 (212 °F)
Flash Point (°C): 121 (250 °F)
Evaporation rate (butyl Acetate): <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): 1.15 - 1.25 @26 °C (78 °F)
Solubility (Water): Completely 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.

SECTION 10: STABILITY AND REACTIVITY
Reactivity: Stable under normal conditions.
Chemical stability: Stable.
Possibility of hazardous reactions: None anticipated.
Conditions to avoid: Incompatible materials.
Incompatible materials: Reacts with oxidizers.
Hazardous Decomposition Product(s): Carbon monoxide, Carbon dioxide, Sulphur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures:
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, sulfonated, sodium salts (111163-74-7) - By analogy with similar materials:

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity: No information available
Toxicity for reproduction: No information available

SECTION 12: ECOLOGICAL INFORMATION
Toxicity - Substances in preparations / mixtures:
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, sulfonated, sodium salts (111163-74-7)

Short term: No information available
Long Term: No information available
Persistence and degradability: This product is predicted to degrade in soil and water.

Revision: 5 December 2019
Bioaccumulative potential  The product has low potential for bioaccumulation.  
Mobility in soil  The product is predicted to have low mobility in soil.  
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

<table>
<thead>
<tr>
<th>Land transport (U.S. DOT)</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
</table>

- UN number  
- Proper Shipping Name  
- 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 (DSL/NDSL)  
- Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>HQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

- SARA 311/312 - Hazard Categories:  
- SARA 313 - Toxic Chemicals (40 CFR 372):  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>------</td>
<td>----</td>
</tr>
</tbody>
</table>

- SARA 302 - Extremely Hazardous Substances(40 CFR 355):  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>------</td>
<td>----</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3, 11, 12, 15  
Date of preparation: December 5, 2019
Additional Information:

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