SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Chemical Name: Mixture
Trade name: NAXAN®PLUS ABP
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
OSHA HCS (29 CFR 1910.1200): Eye Irrit. 2b

Label elements
Hazard Symbol

Signal word(s)

Hazard statement(s): Causes eye irritation. May form combustible dust concentrations in air.

Precautionary statement(s)
Wash hands thoroughly after handling.
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.
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.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: 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>&gt;91%</td>
<td>111163-74-7</td>
<td>Causes eye irritation. May form combustible dust concentrations in air</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs., Sodium salt</td>
<td>&lt;4%</td>
<td>68081-81-2</td>
<td>Harmful if swallowed. Causes skin irritation. Causes serious eye damage.</td>
</tr>
<tr>
<td>Sodium sulfate</td>
<td>&lt;3%</td>
<td>7757-82-6</td>
<td>None</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;2%</td>
<td>7732-18-5</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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
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
Sweep spilled substances into containers. Collect spillage and transfer to a container for disposal.

Reference to other sections
None

Additional Information
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Empty container may contain product residues. Ground/bond container and receiving equipment. Follow precautions for safe handling after container is empty.

Conditions for safe storage, including any incompatibilities
- Storage Temperature
  None assigned

- Incompatible materials
  Keep away from oxidising agents. Keep container tightly closed and dry.

Specific end use(s)
Surfactant

SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PEL (OSHA)</td>
<td>TLV (ACGIH)</td>
</tr>
<tr>
<td>None</td>
<td>--------</td>
<td>*******</td>
<td>*******</td>
</tr>
</tbody>
</table>

Recommended monitoring method

Exposure controls
None

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
Powder/Solid.

Colour
Tan
Odour          Slight aromatic
Odour Threshold (ppm) Not available.
\( pH \) (Value)            7.5 - 10
Melting Point (°C) / Freezing Point (°C) Not available.
Boiling point/boiling range (°C): Not available.
Flash Point (°C) Not available.
Evaporation rate (butyl Acetate=1) <1
Flammability (solid, gas) May form combustible dust concentrations in air
Explosive limit ranges Not available.
Vapour Pressure (Pascal) Not available
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

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:

Acute toxicity Oral: LD50 > 2000 mg/kg-bw
Irritation/Corrosivity Causes eye irritation.
Sensitization No information available
Repeated dose toxicity No information available
Carcinogenicity No information available

<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 The product is biodegradable.
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>
<tbody>
<tr>
<td>UN number</td>
<td></td>
<td>Not classified as dangerous for transport</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packing group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazard label(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental hazards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special precautions for user</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 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)
- Listed DSL: Benzenesulfonic acid, C10-16-alkyl derivs., Sodium salt & Sodium sulfate
- Listed NDSL: Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, sulfonated, sodium salts

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>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>*****</td>
<td>*****</td>
<td>*****</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories:
- Fire
- Sudden Release
- Reactivity
- Immediate (acute)
- Chronic (delayed)

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
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