SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name
Alkylated naphthalene sulfonate, sodium salt

Trade name
NAXAN® AAP

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; May form combustible dust concentrations in air.

Label elements

Hazard Symbol

Signal word(s)

Warning

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.
For professional users only.

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

<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>Alkylated naphthalene sulfonate, sodium salt</td>
<td>&gt;90%</td>
<td>Trade Secret</td>
<td>Causes eye irritation. May form combustible dust concentrations in air</td>
</tr>
<tr>
<td>Proprietary surfactant 1</td>
<td>&lt;3%</td>
<td>Trade Secret</td>
<td>Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Sodium sulfate</td>
<td>&lt;2%</td>
<td>7757-82-6</td>
<td>Not classified as dangerous for supply/use.</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;5%</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.
- Ethylene Oxide (CAS No. 75-21-8) - May accumulate in the head space of drums.

### 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. Water spray should be used to cool containers.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
Remove all ignition sources. Avoid breathing dust. Put on protective equipment before entering danger area.
Environmental precautions

Methods and material for containment and cleaning up

Reference to other sections

Additional Information

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Exposure controls

Appropriate engineering controls

Personal protection equipment

Environmental Exposure Controls
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- **Appearance**: Powder/solid
- **Colour**: Tan
- **Odour**: Slight Hydrocarbon
- **Odour Threshold (ppm)**: Not available.
- **pH (Value)**: 7.5 - 10.5 (5% aqueous solution)
- **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)**: Not available.
- **Explosive limit ranges**: May form combustible dust concentrations in air
- **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 and acids.
- **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**

Alkylated naphthalene sulfonate, sodium salt (Trade secret) - 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

This product may contain trace levels of Ethylene oxide (CAS No. 75-21-8), which may accumulate in the head space of containers. Establish monitoring systems for exposure assessment to comply with OSHA standard 29 CFR 1910.1047. Ethylene oxide is a known human carcinogen by NTP and a suspected human carcinogen by ACGIH®.
SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixture

Alkylated naphthalene sulfonate, sodium salt (CAS No. Trade secret)

<table>
<thead>
<tr>
<th></th>
<th>Short term</th>
<th>Long Term</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Proprietary Surfactant (CAS No. Trade Secret)

<table>
<thead>
<tr>
<th></th>
<th>Short term</th>
<th>Long Term</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EC50 (48 hour) = 1.821 mg/L (Daphnia magna, QSAR)</td>
<td>No information available</td>
</tr>
<tr>
<td></td>
<td>EC50 (48 hour) = 20 mg/L (Pseudokirchnerella subcapitata)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Persistence and degradability

This product is predicted to degrade in soil and water.

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

Incinerate under approved controlled conditions, 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 (U.S. DOT) | Sea transport (IMDG) | Air transport (ICAO/IATA)

UN number

Not classified as dangerous for transport.

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: All components listed or polymer exempt.

Canada Domestic Substance List (NDSL/DSL)

- Listed NDSL: Alkylated naphthalene sulfonate, sodium salt
- Listed DSL: Sodium sulfate & proprietary surfactant

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
- [x] 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>
SECTION 16: OTHER INFORMATION

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

Date of preparation: September 1, 2014

Additional Information:

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