SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Naphthalenesulfonate - formaldehyde condensate, sodium salt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>NAXAF® HSP</td>
</tr>
<tr>
<td>CAS No.</td>
<td>9084-06-4</td>
</tr>
</tbody>
</table>

Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified use(s)</th>
<th>Dispersant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>None</td>
</tr>
</tbody>
</table>

Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Company Identification</th>
<th>Nease Co. LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>(513) 738-1255</td>
</tr>
<tr>
<td>Telephone (Product Information)</td>
<td>(888) 762-7373</td>
</tr>
<tr>
<td>Fax</td>
<td>(513) 587-2828</td>
</tr>
<tr>
<td>E-Mail (competent person)</td>
<td><a href="mailto:techservice@neaseco.com">techservice@neaseco.com</a></td>
</tr>
</tbody>
</table>

Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency Phone No.</th>
<th>(513) 738-1255</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMTREC 24 hr.</td>
<td>(800) 424-9300</td>
</tr>
</tbody>
</table>

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

| OSHA HCS (29 CFR 1910.1200) | May form combustible dust concentrations in air |

Label elements

<table>
<thead>
<tr>
<th>Hazard Symbol</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word(s)</td>
<td>WARNING</td>
</tr>
<tr>
<td>Hazard statement(s)</td>
<td>May form combustible dust concentrations in air.</td>
</tr>
<tr>
<td>Precautionary statement(s)</td>
<td>Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>For professional users only.</td>
</tr>
</tbody>
</table>

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>Naphthalenesulfonate - formaldehyde condensate, sodium salt</td>
<td>&gt;86 %</td>
<td>9084-06-4</td>
<td>May form combustible dust concentrations in air</td>
</tr>
</tbody>
</table>
Sodium sulfate | 1-10% | 7757-82-6 | Not classified as dangerous for supply/use.
Water | 5-8% | 7732-18-5 | Not applicable

Additional Information – Contains: Formaldehyde (CAS No. 50-00-0, <0.1%)

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
Immediately flush eyes for at least 15 minutes. Hold eye open and rinse slowly and gently with water. Continue rinsing. Seek medical treatment when anyone has symptoms apparently due to contact with eyes.

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
May cause slight eye irritation, slight skin irritation, and respiratory irritation

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.

-Unc suitable Extinguishing Media
None anticipated.

Special hazards arising from the substance or mixture
May produce toxic fumes of carbon oxides, sulphur oxides, and sodium oxides if burning.

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
Remove all ignition sources. Avoid breathing dust. 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. Flush the contaminated area with large amounts of water. Collect spillage and transfer to a container for disposal. If possible prevent water running into sewers.

Reference to other sections
None

Additional Information
None
SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Keep container tightly closed. Ground/bond container and receiving equipment. Do not get in eyes.

Conditions for safe storage, including any incompatibilities
- Storage Temperature
  Store at room temperature.
- Incompatible materials
  Keep away from oxidising agents. Keep container tightly closed and dry.

Specific end use(s)
Dispersant

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></td>
<td></td>
<td>PEL (OSHA)</td>
<td>TLV (ACGIH)</td>
<td>PEL (OSHA)</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.75</td>
<td>------</td>
<td>0.3</td>
</tr>
</tbody>
</table>

Recommended monitoring method
OSHA Method 1007

Exposure 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. 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
Prevent entry into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance
Powder
Color.
Tan
Odor
Slight Hydrocarbon
Odor Threshold (ppm)
Not available
pH (Value)
9-10.5 (10% aqueous solution)
Melting Point (°C) / Freezing Point (°C)
Not available
Boiling point/boiling range (°C):
Not available
Flash Point (°C)
Not available
Evaporation Rate
Not available
Flammability (solid, gas)
Not available
Explosive Limit Ranges Not available
Vapour pressure (Pascal) Not available
Vapour Density (Air=1) Not available
Density (g/ml) Not available
Solubility (Air=1) Not available
Solubility (Water) 0.4-0.7 (Bulk Density)
Partition Coefficient (n-Octanol/water) Not available
Auto Ignition Point (°C) Not available
Decomposition Temperature (°C) Not available
Kinematic Viscosity Not available
Explosive properties Not explosive.
Oxidizing properties Not oxidizing.
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 Naphthalenesulfonate - formaldehyde condensate, sodium salt (CAS No. 9084-06-4; based on similar product)
Acute toxicity Oral: LD50 > 2000 mg/kg-bw (rat) Dermal: LD50 > 2000 mg/kg-bw (rat)
Irritation/Corrosivity Causes slight 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
Naphthalenesulfonate - formaldehyde condensate, sodium salt (CAS No. 9084-06-4)
Short term No information available
Long Term No information available
Persistence and degradability Readily 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></th>
<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></td>
<td></td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packing group</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hazard label(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental hazards</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special precautions for user</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 (DSL) - Listed

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
- [x] 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>

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: 2, 3, 5, 11

Date of preparation: April 2, 2015

Additional Information:

HMIS (Hazardous Material Information System)

NFPA (National Fire Protection Association)
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