SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
- Chemical Name: Sodium cumenesulfonate, 93% powder
- Trade name: NAXONATE® SC
- CAS No.: 28348-53-0

Relevant identified uses of the substance or mixture and uses advised against
- Identified use(s): Hydrotrope
- 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; Combustible Dust

Label elements
- Hazard Symbol

Signal word(s)
- WARNING

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

Precautionary statement(s)
- Wash hands thoroughly after handling.
- Ground/bond container and receiving equipment.
- Avoid accumulation of dust.
- 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.

Other hazards
- Not classified as PBT or vPvB.

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

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium cumenesulfonate</td>
<td>&gt;93%</td>
<td>28348-53-0</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Sodium sulfate</td>
<td>&lt;5%</td>
<td>7757-82-6</td>
<td>None</td>
</tr>
<tr>
<td>Water</td>
<td>&lt;3%</td>
<td>7732-18-5</td>
<td>None</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.

**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**
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.
- 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**
Sweep up spilled substance but avoid breathing dust. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

**Reference to other sections**
None

**Additional Information**
None
SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Do not get in eyes. Ground/bond container and receiving equipment. Avoid accumulation of dust. If permitted to accumulate, these fines or dust can, under certain conditions, pose an explosion hazard.

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): Hydrotrope

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>
</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: None

Exposure controls

Appropriate engineering controls: Not normally required.

Personal protection equipment

Eye/face protection: Safety spectacles / goggles

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: Not normally required. 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
- Colour: Milky white
- Odour: Odourless.
- Odour Threshold (ppm): Not available.
- pH (Value): 6-9 (45% solution)
- Melting Point (°C) / Freezing Point (°C): >300
- Boiling point/boiling range (°C): Not available
- Flash Point (°C): Not applicable.
- Evaporation rate: Not applicable.
Flammability (solid, gas) Not applicable.
Explosive limit ranges Not available.
Vapour Pressure (Pascal) Low
Vapour Density (Air=1) Not available
Density (g/ml) 0.33-0.40
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 explosive.
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
sodium cumenesulphonate (CAS# 28348-53-0):
Acute toxicity Oral: LD50 > 7000 mg/kg-bw
Dermal: LD50 > 2000 mg/kg-bw
Inhalation: LC50 > 6.41 mg/l 232 min (By analogy with similar materials)

Irritation/Corrosivity Causes eye irritation.
Sensitization It is not a skin sensitizer.
Repeated dose toxicity (By analogy with similar materials) NOAEL: > 763 active ingredient/kg bw/day (in diet for 90 days, in diet, rat)
Carcinogenicity (By analogy with similar materials) It is unlikely to present a carcinogenic hazard to man.

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

Mutagenicity (By analogy with similar materials) There is no evidence of mutagenic potential.
Toxicity for reproduction (By analogy with similar materials) None anticipated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures
sodium cumenesulphonate (CAS# 28348-53-0) - By analogy with similar materials:
Short term LC50 (96 hour): > 1000 mg/L (Oncorhynchus mykiss)
EC50 (48 hour): 54 mg/l (Daphnia magna, mobility)
EC50 (96 hour): > 230 mg/l (Pseudokirchnerella subcapitata)
NAXONATE® SC

Long Term

Persistence and degradability
Scientifically unjustified

Bioaccumulative potential
Readily biodegradable

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 (U.S. DOT)

Sea transport (IMDG)

Air transport (ICAO/IATA)

UN number
Not classified as dangerous for transport

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: 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 □ 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: 1-16.

Date of preparation: June 7, 2014
Additional Information:

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