SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name
2-Ethylhexanol, ethoxylate, phosphate, dipotassium salt

Trade name
NAXONAC® 269

CAS No.
67786-06-5

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)
technical@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)
WARNING

Hazard statement(s)
Causes eye irritation.

Precautionary statement(s)
Wear protective gloves/eye protection.
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.

Other hazards
Not classified as PBT or vPvB.

Additional Information
Warning - this preparation contains a substance not yet tested completely.

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>2-Ethylhexanol, ethoxylate, phosphate, dipotassium salt</td>
<td>75-90%</td>
<td>67786-06-5</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Water</td>
<td>10-20%</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. Take off contaminated clothing and wash before reuse.

**Eye Contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/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. Keep containers cool by spraying with water if exposed to fire.

**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**
Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. Prevent entry into drains.

**Reference to other sections**
None

**Additional Information**
None

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**
Keep container tightly closed and in a well-ventilated place. Do not allow material to freeze. This product should be stored at a temperature greater than: 20 °C (68 °F). 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.
Conditions for safe storage, including any incompatibilities
- Storage Temperature
  - None assigned
- Incompatible materials
  - Oxidizers
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>Ethylene Oxide*</td>
<td>75-21-8</td>
<td>1 ppm</td>
<td>1 ppm</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

* May accumulate in the headspace of drums. OSHA Action Level = 0.5 ppm as an 8-hour time-weighted average. Refer to OSHA 29 CFR 1910.1047.

Recommended monitoring method
- NIOSH 1614

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
- Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance
- Liquid.

Colour
- Clear/hazy

Odour
- Mild

Odour Threshold (ppm)
- Not available.

pH (Value)
- 7 - 9

Melting Point (°C) / Freezing Point (°C)
- Not available.

Boiling point/boiling range (°C):
- Not available.

Flash Point (°C)
- > 121 (250 °F)

Evaporation rate (butyl acetate=1):
- <1

Flammability (solid, gas)
- Not applicable.

Explosive limit ranges
- Not available.

Vapour Pressure (Pascal)
- 2266.48 (17 mmHg) (water)
Vapour Density (Air=1) Not available.
Density (g/ml) 1.16 @ 25 °C
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: Skin Contact, Eye Contact

Substances in preparations / mixtures
2-Ethylhexanol, ethoxylate, phosphate, dipotassium salt (CAS No. 67786-06-5) (By analogy with similar materials)

Acute toxicity No information available.
Irritation/Corrosivity Causes eye irritation.
Sensitization No information available
Repeated dose toxicity No information available
Carcinogenicity No information available

<table>
<thead>
<tr>
<th>NTP No.</th>
<th>IARC No.</th>
<th>ACGIH No.</th>
<th>OSHA No.</th>
<th>NIOSH No.</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 / mixtures
2-Ethylhexanol, ethoxylate, phosphate, dipotassium salt (CAS No. 67786-06-5) By analogy with similar materials: This product is not harmful to aquatic organisms.

Short term No information available
Long Term No information available
Persistence and degradability No information available.
Bioaccumulative potential No information available.
Mobility in soil No information 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

<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>Proper Shipping Name</td>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td></td>
<td>Packing group</td>
<td>Environment hazards</td>
</tr>
<tr>
<td></td>
<td>Hazard label(s)</td>
<td>Special precautions for user</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 (NDSL/DSL) – Listed 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>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: October 10, 2014

Additional Information:

[HMIS (Hazardous Material Information System) - 1 0 0]

[NFPA (National Fire Protection Association) - 1 0]
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