

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Mixture
Trade name	NAXONAC® T50
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)	Skin Corr. 1C; Eye Dam. 1; Met. Corr. 1
-----------------------------	---

#### Label elements

Hazard Symbol



**DANGER**

Signal Word(s)

Hazard Statement(s)

Causes severe skin burns and eye damage.  
May be corrosive to metals.

Precautionary Statement(s)

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical treatment.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Other hazards

Not classified as PBT or vPvB.

Additional Information

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Polyoxyethylene tridecyl ether phosphate	50-65%	9046-01-9	Causes severe skin burns and eye damage
Orthophosphoric acid	12-15%	7664-38-2	May be corrosive to metals. Causes severe skin burns and eye damage
Water	19-21%	7732-18-5	Not applicable.

**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 victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms occur obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. Remove contaminated clothing immediately. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Ingestion	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical treatment.
<b>Most important symptoms and effects, both acute and delayed</b>	None
<b>Indication of any immediate medical attention and special treatment needed</b>	None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide. Water spray should be used to cool containers.
-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. Avoid inhalation of vapours.

## 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

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery. Do not use metal containers for spilled liquid. Wash the spillage area with water. If possible prevent water running into sewers.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear/Pale yellow
Odour	Faint.
Odour Threshold (ppm)	Not available.
pH (Value)	<2 @ 10% wt/wt
Melting Point (°C) / Freezing Point (°C)	12.7- 15 (55-59°F)
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>93 (200 °F)
Evaporation rate	<1
Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	≈1.13 @ 20°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.
<b>Other information</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Reacts with -oxidizers, reducing agents, and strong bases
<b>Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide, phosphorous compounds

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Substances in preparations / mixtures**

Polyoxyethylene tridecyl ether phosphate (CAS No. 9046-01-9) - By analogy with similar materials:

<b>Acute toxicity</b>	Oral: LD50 >2500 mg/kg-bw
<b>Irritation/Corrosivity</b>	Causes serious eye damage. Causes skin irritation.
<b>Sensitization</b>	Not available.
<b>Repeated dose toxicity</b>	No information available
<b>Carcinogenicity</b>	No information available

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	No information available

Orthophosphoric acid (CAS No. 7664-38-2)

**Acute toxicity**

Oral: LD50 = 2600 mg/kg-bw  
 Inhalation: LC50 (1 hour) = 3846 mg/m<sup>3</sup> (rabbit; mice; guinea pigs)

**Irritation/Corrosivity**

Corrosive (Skin and Eyes)

**Sensitization**

Not available.

**Repeated dose toxicity**

NOAEL (42-54 days) <250 mg/kg (rat)

**Carcinogenicity**

No information available

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

NOAEL = 500 mg/kg (rat)

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

Polyoxyethylene tridecyl ether phosphate (CAS No. 9046-01-9):

Short term	No data
Long Term	No data.
Persistence and degradability	No data
Bioaccumulative potential	No data.
Mobility in soil	Not determined
Results of PBT and vPvB assessment	Not available.
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

	<u>Land transport (U.S. DOT)</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	3264	3264	3264
<b>Proper Shipping Name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S (Phosphoric acid)	Corrosive Liquid, Acidic, Inorganic, N.O.S (Phosphoric acid)	Corrosive Liquid, Acidic, Inorganic, N.O.S (Phosphoric acid)
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing group</b>	III	III	III
<b>Hazard label(s)</b>	Corrosive	Corrosive	Corrosive
<b>Environmental hazards</b>	No	No	No
<b>Special precautions for user</b>	None known.	None known.	None known.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not established.

## 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 Domestic Substance List (DSL) - Listed

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Orthophosphoric acid	7664-38-2	12-15%	5000

SARA 311/312 - Hazard Categories:

Fire   
  Sudden Release   
  Reactivity   
  Immediate (acute)   
  Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

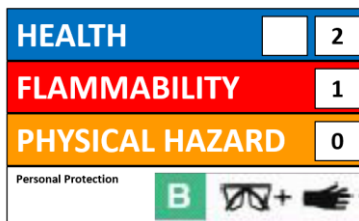
Chemical Name	CAS No.	Typical %wt.
None	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 15

Date of preparation: July 24, 2019

Additional Information:



HMIS (Hazardous Material Information System)



NFPA (National Fire Protection Association)

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Nease Co. LLC gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Nease Co. LLC accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.