



# Naxonac HP 1000

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Phosphoric ester of 2-hydroxyethyl methacrylate
Trade name	Naxonac HP 1000
CAS No.	52628-03-2

#### 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	Catexel Nease 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
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Skin Corr. 1B; Eye Dam. 1; Acute Tox, oral 4; Sensitization, skin 1

#### Label elements

Hazard Symbol



Signal Word(s)

**DANGER**

Hazard Statement(s)

Harmful if swallowed  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction  
Causes serious eye damage.  
May cause respiratory irritation  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Do not eat, drink, or smoke when using this product.  
Use only outdoors or in well-ventillated area.  
Contaminated work clothing must not be allowed out of workplace.  
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.

Precautionary Statement(s)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER. 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)
Phosphoric ester of 2-hydroxyethyl methacrylate	80-90%	52628-03-2	
Orthophosphoric acid	<3%	7664-38-2	
2-hydroxyethyl methacrylate	<3%	868-77-9	

**Additional Information** - None

## 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. Chemical burns must be treated by physician. Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. immediately

Ingestion

Rinse mouth. Do NOT induce vomiting. Seek medical treatment.

**Most important symptoms and effects, both acute and delayed**

Burning pain and severe corrosive skin damage Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanant eye damage including blindness could result. May cause respiratory irritation

**Indication of any immediate medical attention and special treatment needed**

Provide general support measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call and ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing media**

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-Suitable Extinguishing Media

Extinguish with waterspray, dry chemical, sand or carbon dioxide. Water spray should be used to cool containers.

-Unsuitable Extinguishing Media

Do NOT use water jet.

**Special hazards arising from the substance or mixture**

Gases hazardous to health may be formed.

**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.

**Reference to other sections  
Additional Information**

For disposal see section 13 of SDS  
None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Keep container closed when not in use. Empty containers may contain residues. Do not use metal containers for storage as the phosphoric acid will react with the metal to liberate flammable hydrogen gas. Do not get in eyes, on skin, or on clothing.

**Conditions for safe storage, including any incompatibilities**

-Storage Temperature

This product should be stored at a temperature greater than: 20°C (68°F).

-Incompatible materials

Attacks many materials and clothing. Keep away from oxidising agents. Keep container tightly closed and dry.

**Specific end use(s)**

Surfactant

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational exposure limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Orthophosphoric acid	7664-38-2	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup> <sup>(1)</sup>	3 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	—

**Recommended monitoring method  
Exposure controls**

NIOSH 7908 (Non-Volatile Acids)

**Appropriate engineering controls**

Local exhaust required.

**Personal protection equipment**

Eye/face protection

The following to be used as necessary: Goggles giving complete protection to eyes. Full face shield.



Skin protection (Hand protection/ Other)



The following to be used as necessary: Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

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	Liquid
Colour	Clear / Yellow
Odour	Acrylic
Odour Threshold (ppm)	Not available.
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	> 40°F (>4.44°C)
Boiling point/boiling range (°C):	>212°F (>100°C)
Flash Point (°C)	>100 (212 °F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosive limit ranges	Not available.
Vapour Pressure (Pascal)	<0.0000001 kPa @ 25°C.
Vapour Density (Air=1)	Not available.
Density (g/ml)	>1.1 @ 25°C
Solubility (Water)	Dispersible.
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 available
<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, acids, and 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

Phosphoric ester of 2-hydroxyethyl methacrylate (CAS No. 52628-03-2) (By analogy with similar materials)

**Acute toxicity** Oral: LD50 510 mg/kg-bw



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**Irritation/Corrosivity** Causes serious eye damage. Causes skin burns/damage.  
**Sensitization** May cause allergic skin reaction  
**Repeated dose toxicity** No information available  
**Carcinogenicity** No information available

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

**Mutagenicity** No information available  
**Toxicity for reproduction** 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)

## 2-hydroxyethyl methacrylate (CAS No. 868-77-9)

**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** Not available

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

### Phosphoric ester of 2-hydroxyethyl methacrylate (CAS No. 52628-03-2) (By analogy with similar materials)

Short term LC50 (96 hour): 22000 mg/L (*fish*)  
 Long Term No data.  
 Persistence and degradability No data.  
 Bioaccumulative potential No data.  
 Mobility in soil No data.  
 Results of PBT and vPvB assessment Not available.  
 Other adverse effects None known.

### 2-hydroxyethyl methacrylate (CAS No. 868-77-9) (By analogy with similar materials)

Short term LC50 (96 hour): 213-242 mg/L (*Pimephales promelas*)  
 Long Term No data.  
 Persistence and degradability No data.  
 Bioaccumulative potential No data.  
 Mobility in soil NPartition coefficient N-octanol/water (log Kow) : 0.47



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Results of PBT and vPvB assessment  
Other adverse effects

Not available.  
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

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	3265	3265	3265
<b>Proper Shipping Name</b>	Corrosive Liquid, Acidic, Organic, N.O.S (Phosphoric acid ester, Phosphoric acid)	Corrosive Liquid, Acidic, Organic, N.O.S (Phosphoric acid ester, Phosphoric acid)	Corrosive Liquid, Acidic, Organic, N.O.S (Phosphoric acid ester, Phosphoric acid)
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing group</b>	II	II	II
<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: All components listed or polymer exempt.

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	<5%	7664-38-2	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: 1-16.

Date of preparation: January 9, 2024



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Additional Information:

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	1
<b>PHYSICAL HAZARD</b>	0
Personal Protection	<b>B</b>

**HMIS (Hazardous Material Information System)**



**NFPA (National Fire Protection Association)**

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