

## 1 SECTION 1: Identification of the substance/mixture and of the company/undertaking:

### 1.1 Product identifier:

**SPETEC SEAL N450 A**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

/

Concentration in use: /

### 1.3 Details of the supplier of the safety data sheet:

#### **RESIPLAST NV**

Gulkenrodestraat 3

B2160 Wommelgem

Phone: 033200211 — Fax: 033226380

E-mail: [info@resiplast.be](mailto:info@resiplast.be) — Website: <http://www.resiplast.be/>

### 1.4 Emergency telephone number:

+32 70 245 245

## 2 SECTION 2: Hazards identification:

### 2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

**H315 Skin Irrit. 2 H318 Eye Dam. 1**

### 2.2 Label elements:

Pictograms:



Signal word:

Danger

Hazard statements:

**H315 Skin Irrit. 2:** Causes skin irritation.  
**H318 Eye Dam. 1:** Causes serious eye damage.

Precautionary statements:

**P280:** Wear protective gloves, protective clothing, eye protection, face protection.  
**P302+P352:** IF ON SKIN: Wash with plenty of soap and water.  
**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P310:** Immediately call a POISON CENTER or doctor.  
**P332+P313:** If skin irritation occurs: Get medical advice/attention.  
**P362+P364:** Take off contaminated clothing and wash it before reuse.

Contains:

2-Dimethylaminoethanol Diethanolamine

2.3 Other hazards:

None

3 SECTION 3: Composition/information on ingredients:

tris(2-chloro-1-methylethyl) phosphate	≤ 20 %	CAS number: 13674-84-5 EINECS: 237-158-7 REACH Registration number: 01-2119447716-31 CLP Classification: <b>H302 Acute tox. 4</b>
Diethanolamine	≤ 1 %	CAS number: 111-42-2 EINECS: 203-868-0 REACH Registration number: 01-2119488930-28 CLP Classification: <b>H302 Acute tox. 4 H315 Skin Irrit. 2 H318 Eye Dam. 1 H373 STOT RE 2</b>
2-Dimethylaminoethanol	≤ 1 %	CAS number: 108-01-0 EINECS: 203-542-8 REACH Registration number: 01-2119492298-24 CLP Classification: <b>H226 Flam. Liq. 3 H302 Acute tox. 4 H312 Acute tox. 4 H314 Skin Corr. 1B H318 Eye Dam. 1 H331 Acute tox. 3 H335 STOT SE 3</b>
Bis(2-dimethylaminoethyl)(methyl)amine	≤ 0.2 %	CAS number: 3030-47-5 EINECS: 221-201-1 REACH Registration number: 01-2119979537-18 CLP Classification: <b>H302 Acute tox. 4 H311 Acute tox. 3 H314 Skin Corr. 1B</b>

N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)	≤ 0.2 %	CAS number:	3033-62-3
		EINECS:	221-220-5
		REACH Registration number:	01-2119972935-21
		CLP Classification:	<b>H302 Acute tox. 4</b> <b>H311 Acute tox. 3</b> <b>H314 Skin Corr. 1B</b> <b>H332 Acute tox. 4</b>

For the full text of the H phrases mentioned in this section, see section 16.

## 4 SECTION 4: First aid measures:

### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

<b>Skin contact:</b>	Rinse with water.
<b>Eye contact:</b>	Rinse first with plenty of water, if necessary seek medical attention.
<b>Ingestion:</b>	Rinse first with plenty of water, if necessary seek medical attention.
<b>Inhalation:</b>	In case of serious or continuous discomforts: remove to fresh air and seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed:

<b>Skin contact:</b>	Redness, pain
<b>Eye contact:</b>	Caustic, redness, blurred vision, pain
<b>Ingestion:</b>	Diarrhoea, headache, abdominal cramps, sleepiness, vomiting
<b>Inhalation:</b>	None

### 4.3 Indication of any immediate medical attention and special treatment needed:

None

## 5 SECTION 5: Fire-fighting measures:

### 5.1 Extinguishing media:

CO<sub>2</sub>, foam, powder, sprayed water

### 5.2 Special hazards arising from the substance or mixture:

None

### 5.3 Advice for firefighters:

<b>Extinguishing agents to be avoided:</b>	None
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## 6 SECTION 6: Accidental release measures:

### 6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

## 6.2 Environmental precautions:

Do not allow to flow into sewers or open water.

## 6.3 Methods and material for containment and cleaning up:

Contain released substance, store into suitable containers. If possible, remove by using absorbent material.

## 6.4 Reference to other sections:

For further information, check sections 8 & 13.

# 7 SECTION 7: Handling and storage:

## 7.1 Precautions for safe handling:

Handle with care to avoid spillage.

## 7.2 Conditions for safe storage, including any incompatibilities:

Keep in a sealed container in a closed, frost-free, ventilated room.

## 7.3 Specific end use(s):

/





# 8 SECTION 8: Exposure controls/personal protection:

## 8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

Diethanolamine 1 mg/m<sup>3</sup>

## 8.2 Exposure controls:

<b>Inhalation protection:</b>	Use with sufficient exhaust ventilation. If necessary, use an air-purifying face mask in case of respiratory hazards. Use the ABEK type as protection against these troublesome levels.	
<b>Skin protection:</b>	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
<b>Eye protection:</b>	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
<b>Other protection:</b>	Wear impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

# 9 SECTION 9: Physical and chemical properties:

## 9.1 Information on basic physical and chemical properties:

Melting point/melting range: /

<b>Boiling point/Boiling range:</b>	134 °C — 217 °C
<b>pH:</b>	/
<b>pH 1% diluted in water:</b>	/
<b>Vapour pressure/20°C,:</b>	/
<b>Vapour density:</b>	Not applicable
<b>Relative density, 20°C:</b>	/
<b>Appearance/20°C:</b>	Liquid
<b>Flash point:</b>	/
<b>Flammability (solid, gas):</b>	Not applicable
<b>Auto-ignition temperature:</b>	/
<b>Upper flammability or explosive limit, (Vol %):</b>	/
<b>Lower flammability or explosive limit, (Vol %):</b>	/
<b>Explosive properties:</b>	Not applicable
<b>Oxidising properties:</b>	Not applicable
<b>Decomposition temperature:</b>	/
<b>Solubility in water:</b>	Not soluble
<b>Partition coefficient: n-octanol/water:</b>	Not applicable
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	Not applicable
<b>Dynamic viscosity, 20°C:</b>	/
<b>Kinematic viscosity, 40°C:</b>	/
<b>Evaporation rate (n-BuAc = 1):</b>	/

## 9.2 Other information:

<b>Volatile organic component (VOC):</b>	/
<b>Volatile organic component (VOC):</b>	/
<b>Sustained combustion test :</b>	/

## 10 SECTION 10: Stability and reactivity:

### 10.1 Reactivity:

Stable under normal conditions.

### 10.2 Chemical stability:

Extremely high or low temperatures.

### 10.3 Possibility of hazardous reactions:

None

### 10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding + 50°C.

### 10.5 Incompatible materials:

Keep away from acids

### 10.6 Hazardous decomposition products:

Under recommended usage conditions, hazardous decomposition products are not expected.

## 11 SECTION 11: Toxicological information:

### 11.1 Information on toxicological effects:

**H315 Skin Irrit. 2:** Causes skin irritation.  
**H318 Eye Dam. 1:** Causes serious eye damage.

**Calculated acute toxicity, ATE oral:** /  
**Calculated acute toxicity, ATE dermal:** /

tris(2-chloro-1-methylethyl) phosphate	LD50 oral, rat: 500 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Diethanolamine	LD50 oral, rat: 1 820 mg/kg LD50 dermal, rabbit: ≥ 5 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
2-Dimethylaminoethanol	LD50 oral, rat: 1 187 mg/kg LD50 dermal, rabbit: 1 000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Bis(2-dimethylaminoethyl)(methyl)amine	LD50 oral, rat: 1 330 mg/kg LD50 dermal, rabbit: 200 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)	LD50 oral, rat: 600 mg/kg LD50 dermal, rabbit: 250 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

## 12 SECTION 12: Ecological information:

### 12.1 Toxicity:

tris(2-chloro-1-methylethyl) phosphate	LC50 (Fish): 98 mg/L (96h) NOEC (Fish): 9.8 mg/L (96h) EC50 (Daphnia): 131 mg/L (48h) NOEC (Daphnia): 33.5 mg/L (48h) EC50 (Algae): 82 mg/L (72h) NOEC (Algae): 13 mg/L (72h) EC50 (soil microorganisms): 784 mg/L (3h)
Diethanolamine	LC50 (Fish): 1460 mg/L EC50 (Daphnia): 30,1 mg/L EC50 (soil microorganisms): > 1000 mg/L
2-Dimethylaminoethanol	LC50 (Fish): 146.63 mg/L (96h) NOEC (Fish): 100 mg/L (96h) EC50 (Daphnia): 98.37 mg/L (48h) EC50 (Algae): 66.08 mg/L (72h)

Bis(2-dimethylaminoethyl)(methyl)amine	LC50 (Fish): (96 h): 157 mg/L ( Oncorhynchus mykiss) EC50 (Daphnia): EC50 (48 h): 54.9 mg/L EC50 (Algae): ErC50 (72 h): 78.3 mg/L NOEC (Algae): NOEC (30 min): 660 mg/L
N,N,N',N'-tetramethyl-2,2'-oxybis(ethylamine)	LC50 (Fish): 124 mg/L

### 12.2 Persistence and degradability:

No additional data available

### 12.3 Bioaccumulative potential:

No additional data available

### 12.4 Mobility in soil:

**Water hazard class, WGK (AwSV):** 2  
**Solubility in water:** Not soluble

### 12.5 Results of PBT and vPvB assessment:

No additional data available

### 12.6 Other adverse effects:

No additional data available

## 13 SECTION 13: Disposal considerations:

### 13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

## 14 SECTION 14: Transport information:

### 14.1 UN number:

Not applicable

### 14.2 UN proper shipping name:

ADR, IMDG, ICAO/IATA not applicable

### 14.3 Transport hazard class(es):

**Class(es):** Not applicable  
**Identification number of the hazard:** Not applicable

### 14.4 Packing group:

Not applicable

### 14.5 Environmental hazards:

Not dangerous to the environment

#### 14.6 Special precautions for user:

**Hazard characteristics:** Not applicable

**Additional guidance:** Not applicable

## 15 SECTION 15: Regulatory information:

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

**Water hazard class, WGK (AwSV):** 2

**Volatile organic component (VOC):** /

**Volatile organic component (VOC):** /

**Composition by regulation (EC 648/2004):** Phosphates 15% - 30%

### 15.2 Chemical Safety Assessment:

No data available

## 16 SECTION 16: Other information:

### Legend to abbreviations used in the safety data sheet:

<b>ADR:</b>	The European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE:</b>	Acute Toxicity Estimate
<b>BCF:</b>	Bioconcentration factor
<b>CAS:</b>	Chemical Abstracts Service
<b>CLP:</b>	Classification, Labelling and Packaging of chemicals
<b>EINECS:</b>	European Inventory of Existing commercial Chemical Substances
<b>LC50:</b>	median Lethal Concentration for 50% of subjects
<b>LD50:</b>	median Lethal Dose for 50% of subjects
<b>Nr.:</b>	Number
<b>PTB:</b>	Persistent, Toxic, Bioaccumulative
<b>TLV:</b>	Threshold Limit Value
<b>vPvB:</b>	very Persistent and very Bioaccumulative substances
<b>WGK:</b>	Water hazard class
<b>WGK 1:</b>	Slightly hazardous for water
<b>WGK 2:</b>	Hazardous for water
<b>WGK 3:</b>	Extremely hazardous for water

### Legend to the H Phrases used in the safety data sheet:

**H226 Flam. Liq. 3:** Flammable liquid and vapour. **H302 Acute tox. 4:** Harmful if swallowed. **H311 Acute tox. 3:** Toxic in contact with skin. **H312 Acute tox. 4:** Harmful in contact with skin. **H314 Skin Corr. 1B:** Causes severe skin burns and eye damage. **H315 Skin Irrit. 2:** Causes skin irritation. **H318 Eye Dam. 1:** Causes serious eye damage. **H331 Acute tox. 3:** Toxic if inhaled. **H332 Acute tox. 4:** Harmful if inhaled. **H335 STOT SE 3:** May cause respiratory irritation. **H373 STOT RE 2:** May cause damage to organs through prolonged or repeated exposure.

### CLP Calculation method:

Calculation method



**Reason of revision, changes of following items:**

Not applicable

**SDS reference number:**

ECM-110660,00

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2015/830. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned. To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.*