

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

### 1.1. Product identifier

<b>Name of the substance</b>	ZELEC NE
<b>Identification number</b>	291-877-0 (EC number)
<b>Registration number</b>	-
<b>Synonyms</b>	Phosphoric acid, C8-16-alkyl esters, compds. with diethanolamine
<b>Product code</b>	1033EU
<b>Issue date</b>	23-May-2018
<b>Version number</b>	01

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

<b>Identified uses</b>	Industrial use Antistatic agent
<b>Uses advised against</b>	None known.

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

<b>Address</b>	STEPAN EUROPE Chemin Jongkind CS 20127 38341 Voreppe Cedex France
<b>Telephone</b>	(33) 4 76 50 51 00
<b>Fax</b>	(33) 4 76 50 51 35
<b>E-mail</b>	sds.contact@stepaneurope.com
<b>Contact person</b>	See email address

### 1.4. Emergency telephone number

<b>General in EU</b>	112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Austria VIZ Poison Control Centre</b>	+43 1 406 43 43 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Belgium National Poisons Control Center</b>	70 245 245 (24h/24)
<b>Bulgaria Emergency Medicine N.I.Pirogov"</b>	+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Croatia Poison Control Centre</b>	(+385 1) 23-48-342 (24h/24)
<b>Cyprus Poison Control Emergency</b>	1401 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
<b>Czech Republic Toxikologické informacní středisko</b>	+420 224 919 293 or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
<b>Denmark Giftlinjen</b>	82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Estonia Poison information</b>	16662 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)
<b>Finland Myrkytystietokeskus</b>	09 471 977 (24h/day)
<b>France National Poison Information Center</b>	Hôpital F.WIDAL : 01 40 05 48 48 , ORFILA (INRS) : 01 45 42 59 59 (24h/24 7j/7)
<b>Germany Giftnotruf der Charité (Berlin)</b>	030/19240 (Notruf)
<b>Greece National Poison Information Center</b>	(0030) 2107793777 24 hours/day

#### 1.4. Emergency telephone number

<b>Hungary</b> <b>Információsztálgáltatás</b> <b>akut mérgezés esetén</b>	(+36-80) 201-199 (0-24 h, díjmentesen hívható)
<b>Ireland Poisons</b> <b>Information Centre,</b> <b>Beaumont Hospital</b>	01 8092566 or 01 8379964
<b>Italy Ospedale Niguarda</b> <b>Ca'Granda</b>	02 661 010 29
<b>Latvia Valsts</b> <b>ugunsdzesibas un</b> <b>glabšanas dienests</b>	+371 67042473 (24h/24)
<b>Lithuania Neatidéliotina</b> <b>informacija apsinuodijus</b>	+370 5 236 20 52 arba +370 687 53378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
<b>Luxembourg Centre</b> <b>Antipoisons / Antigif</b> <b>centrum</b>	070 245 245 24h/24
<b>Malta Accident and</b> <b>Emergency Department</b>	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
<b>Netherlands National</b> <b>Poisons Information</b> <b>Center</b>	030-2748888 Only for the purpose of informing medical personnel in cases of acute intoxications / Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen
<b>Norway Norwegian Poison</b> <b>Information Center</b>	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Poland Poisons</b> <b>information Centre</b>	(00 48)(58) 47 82 22, (00 48)(58) 31 65 16
<b>Portugal Poisons</b> <b>information Centre</b>	808 250 143
<b>Romania Biroul RSI si</b> <b>Informare Toxicologica</b>	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
<b>Russia Toxicology</b> <b>Information and Advisory</b> <b>Center</b>	(0 07)(95) 9 28 16 47
<b>Slovakia National</b> <b>Toxicological Information</b> <b>Center</b>	(00 90)(312) 4 33 70 01
<b>Slovenia Urad Republike</b> <b>Slovenije za kemikalije</b>	010-456 6700 (mon-fri 9.00-17.00)
<b>Spain Servicio de</b> <b>Información Toxicológica</b>	+ 34 91 562 04 20 24h/365 días
<b>Sweden</b> <b>Giftinformationscentralen /</b> <b>Swedish Poisons</b> <b>Information Centre</b>	010-456 6700 (mon-fri 9.00-17.00)
<b>Switzerland Swiss Tox Info</b> <b>/ Tox Info Suisse</b>	145 (24h/24)
<b>Turkey National Poison</b> <b>Control Center and</b> <b>Toxicology Department</b>	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>United Kingdom Guy's</b> <b>Hospital Poisons Unit</b>	(00 44 )(1 71) 6 35 91 91

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Health hazards

Skin corrosion/irritation

Category 2

H315 - Causes skin irritation.

**Hazard summary** Causes skin irritation.

## 2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

**Hazard pictograms**



**Signal word** Warning

**Hazard statements**

H315 Causes skin irritation.

**Precautionary statements**

**Prevention**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

**Storage**

Not available.

**Disposal**

Not available.

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

**General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Phosphoric acid, C8-16-alkyl esters, compds. with diethanolamine	-	90506-18-6 291-877-0	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315				

## SECTION 4: First aid measures

**General information** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed** Skin irritation. May cause redness and pain.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** No unusual fire or explosion hazards noted.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

Large Fires: Water fog.

**Unsuitable extinguishing media** Do not use water jet.

**5.2. Special hazards arising from the substance or mixture** Fire may produce irritating, corrosive and/or toxic gases. In the event of fire the following can be released: Carbon oxides (CO<sub>x</sub>)

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

<b>Special fire fighting procedures</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Observe good industrial hygiene practices. Avoid contact with skin and eyes. Wash hands after handling and before eating.

**7.2. Conditions for safe storage, including any incompatibilities** Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

### 8.2. Exposure controls

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

**General information** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**- Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. PVC gloves are recommended.

**- Other** Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Environmental manager must be informed of all major releases.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state	Liquid.
Form	Paste.
Colour	Yellow.
Odour	Sweet.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	50 °C (122 °F)
Initial boiling point and boiling range	> 150 °C (> 302 °F)
Flash point	> 100.0 °C (> 212.0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

#### 9.2. Other information

Density	1.10 g/cm <sup>3</sup> @ 25°C
pH in aqueous solution	7 - 7.6 @ 40 g/l

## SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	To avoid thermal decomposition, do not overheat. Contact with incompatible materials.
10.5. Incompatible materials	Incompatible with oxidising agents. Alkalies. Acids.
10.6. Hazardous decomposition products	Carbon oxides (CO <sub>x</sub> ) Oxides of phosphorus. (P <sub>x</sub> O <sub>y</sub> )

## SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Skin irritation. May cause redness and pain.
11.1. Information on toxicological effects	
Acute toxicity	No data available.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	Based on available data, the classification criteria are not met.

<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>	
Not listed.	
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of this product.
<b>12.3. Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Partition coefficient n-octanol/water (log Kow)</b>	Not available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	Not available.
<b>12.6. Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

<b>13.1. Waste treatment methods</b>	
<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

14.1. - 14.6.: Not regulated as dangerous goods.

### RID

14.1. - 14.6.: Not regulated as dangerous goods.

### IATA

14.1. - 14.6.: Not regulated as dangerous goods.

### IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

Segregation group : None

<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
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## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

#### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### National regulations

Follow national regulation for work with chemical agents.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

#### List of abbreviations

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006)

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008

CAS: Chemical Abstract Service

EINECS: European Inventory of Existing Commercial Chemical Substances

PBT: Persistent, bioaccumulative, toxic

vPvB: very Persistent, very Bioaccumulative

BLV: Biological Limit Value

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

LC50: Lethal Concentration 50%

IC50: Inhibition Concentration 50%

ES: Exposure scenario

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

ADR: European agreement concerning the international carriage of dangerous goods by road

RID: Regulations concerning the international carriage of dangerous goods by rail

IMDG Code: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

#### References

Not available.

<b>Information on evaluation method leading to the classification of mixture</b>	Not applicable.
<b>Full text of any H-statements not written out in full under Sections 2 to 15</b>	H315 Causes skin irritation.
<b>Revision information</b>	None.
<b>Training information</b>	Follow training instructions when handling this material.
<b>Disclaimer</b>	Stepan Europe cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.