

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

1.1. Product identifier

Product form	: Mixture
Trade name	: phosphoric acid 85%
EC Index-No.	: 015-011-00-6
EC-No.	: 231-633-2
CAS-No.	: 7664-38-2
REACH registration No	: 01-2119485924-24-0085
Type of product	: Mixture
Formula	: H ₃ PO ₄
Synonyms	: orthophosphoric acid, conc=85% / phosphoric syrup, conc=85% / phosphoric-acid-
BIG No	: 16459

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

1.2.1. Relevant identified uses

Main use category	: Professional use
Industrial/Professional use spec	: Fertilizer
Use of the substance/mixture	: Food industry: additive Petrochemistry: Catalyst: auxiliary substance Pharmaceutical product: component
Function or use category	: Fertilisers

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Anorel NV N.V.
Lintsesteenweg 632
2540 Hove – Belgium
T +3234880233
anorel@anorel.net - www.anorel.net

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090	+356 2545 6508	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Corrosive to metals, Category 1	H290
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

GHS07

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)
: P234 - Keep only in original packaging.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
phosphoric acid 85%	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924-24-0085	100	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318

Specific concentration limits:

Name	Product identifier	Specific concentration limits
phosphoric acid 85%	CAS-No.: 7664-38-2 EC-No.: 231-633-2 EC Index-No.: 015-011-00-6 REACH-no: 01-2119485924-24-0085	(10 ≤C < 25) Eye Irrit. 2, H319 (10 ≤C < 25) Skin Irrit. 2, H315 (25 ≤C < 100) Skin Corr. 1B, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Keep the victim calm, avoid physical strain. Victim conscious with laboured breathing: half-seated. Unconscious: maintain adequate airway and respiration. Check the vital functions. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Respiratory arrest: artificial respiration or oxygen. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Cardiac arrest: perform resuscitation. Give psychological aid. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Do not remove clothing if it sticks to the skin. Wash immediately with lots of water (15 minutes)/shower. If burned surface > 10%: take victim to hospital. Cover wounds with sterile bandage. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Consult a doctor/medical service. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse immediately with plenty of water (for at least 15 minutes). Do not apply (chemical) neutralizing agents. Contact ophthalmologist immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Take the container/vomit to the doctor/hospital. Ingestion of large quantities: immediately to hospital. Call Poison Information Centre (www.big.be/antigif.html). Rinse mouth out with water. Immediately after ingestion: give lots of water to drink. Do not give chemical antidote. Doctor: gastric lavage. Immediately call a POISON CENTER/doctor. Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Dry/sore throat. Respiratory difficulties. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Risk of lung oedema. Cough.
Symptoms/effects after skin contact	: Causes severe burns. Causes skin irritation. Burns.
Symptoms/effects after eye contact	: Corrosion of the eye tissue. Serious damage to eyes.

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Symptoms/effects after ingestion	: Nausea. shock. Abdominal pain. Burns to the gastric/intestinal mucosa. Blood in vomit. Burns.
Chronic symptoms	: Red skin. Dry skin.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Reactions involving a fire hazard: see "Reactivity Hazard". Not combustible.
Explosion hazard	: Reactions with explosion hazards: see "Reactivity Hazard".
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: consider evacuation. Exposure to fire/heat: keep upwind. Exposure to heat: have neighbourhood close doors and windows. Close doors and windows of adjacent premises.
Firefighting instructions	: Dilute toxic gases with water spray. Take account of toxic firefighting water. Cool tanks/drums with water spray/remove them into safety. Use water moderately and if possible collect or contain it.
Protection during firefighting	: Compressed air/oxygen apparatus. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: face shield. Dust cloud production: compressed air/oxygen apparatus. Corrosionproof suit. See "Material-Handling" to select protective clothing. Gloves.
Emergency procedures	: Ventilate spillage area. Mark the danger area. Avoid dust formation. Wash contaminated clothes. Keep upwind. Hazardous reactions. Keep upwind. Consider evacuation. No naked flames. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.
Measures in case of dust release	: Dust production: have neighbourhood close doors and windows. In case of dust production: keep upwind.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment. Prevent spreading in sewers. Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment	: Dam up the solid spill. Contain leaking substance, pump over in suitable containers. Take account of toxic/corrosive precipitation water. Plug the leak, cut off the supply. If reacting: dilute toxic gas/vapour with water spray. Reaction: dilute combustible gas/vapour with water curtain. Measure the concentration of the explosive gas-air mixture. Consult "Material-handling" to select material of containers.
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phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Methods for cleaning up	: Take up liquid spill into absorbent material. Minimise generation of dust. Take collected spill to manufacturer/competent authority. Consult "Material-handling" to select material of containers. Wash clothing and equipment after handling. Carefully collect the spill/leftovers. Scoop solid spill into closing containers.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Do not discharge the waste into the drain. Comply with applicable regulations. Measure the concentration in the atmosphere. Keep container tight closed. Keep away from naked flames/heat. Thoroughly clean/dry the installation before use. Observe strict hygiene. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Wash clothing before re-using. Keep the substance free from contamination. Remove/Take off immediately all contaminated clothing. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool.
Incompatible materials	: Metals.
Storage temperature	: > 20 °C
Heat and ignition sources	: Keep away from heat.
Information on mixed storage	: Keep away from : Strong bases. Metals. Reducing agents.
Storage area	: Meet the legal requirements. Unauthorized persons are not admitted. Keep locked up. Ventilation at floor level.
Special rules on packaging	: closing. correctly labelled. dry. Secure fragile packagings in solid containers. Clean. Meet the legal requirements.
Packaging materials	: Suitable packing materials. Stainless steel. Glass. Polyethylene. Packing material to avoid. Iron. Steel. Aluminium.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

phosphoric acid 85% (7664-38-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1 mg/m³
IOEL TWA [ppm]	0,2 ppm
IOEL STEL	2 mg/m³
IOEL STEL [ppm]	0,5 ppm

8.1.2. Recommended monitoring procedures

No additional information available

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Face shield (EN 166). In case of dust production: protective goggles (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. In case of dust production: dustproof clothing

Hand protection:

Gloves

Other skin protection

Materials for protective clothing:

Butyl rubber gloves. Natural rubber. neoprene gloves. Nitrile rubber gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Extra personal protection: P3 filter respirator for toxic particles

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Liquid.
Molecular mass	: 98 g/mol
Odour	: odourless.
Odour threshold	: Not available
Melting point	: 21 °C
Freezing point	: Not available
Boiling point	: 158 °C

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Soluble in ethanol. Water: complete
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2,2 hPa (20 °C)
Vapour pressure at 50 °C	: Not available
Density	: 1685 kg/m ³
Relative density	: 1,7
Relative vapour density at 20 °C	: Not applicable
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Minimum ignition energy	: Not applicable
VOC content	: 0 %
Other properties	: Acid reaction

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes on exposure to temperature rise. Reacts on exposure to water (moisture) with (some) metals: release of highly flammable gases/vapours hydrogen. Violent to explosive reaction with many compounds e.g.: with (strong) reducers. Violent exothermic reaction with (some) bases. Reacts exothermically on exposure to water (moisture) with combustible materials: risk of spontaneous ignition.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Causes severe skin burns,Irritant to the respiratory organs,Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Ecology - air	: Not dangerous for the ozone layer. air pollutant.
Ecology - water	: pH shift. Mild water pollutant (surface water). Harmful to aquatic organisms. Harmful to bacteria. harmful to plankton.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

phosphoric acid 85% (7664-38-2)

LC50 - Fish [1]	138 mg/l (Pisces, Pure substance)
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12.2. Persistence and degradability

phosphoric acid 85% (7664-38-2)

Persistence and degradability	Biodegradability. Not applicable. No data available.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

phosphoric acid 85% (7664-38-2)

Bioaccumulative potential	Does not contain bioaccumulative component(s).
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12.4. Mobility in soil

phosphoric acid 85% (7664-38-2)

Ecology - soil	No (test)data on mobility of the component(s) available.
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12.5. Results of PBT and vPvB assessment

No additional information available

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Recycle the material as far as possible. Remove for physico-chemical/biological treatment. Hazardous waste.
Additional information	: LWCA (the Netherlands): KGA category 01. Hazardous waste according to Directive 2008/98/EC.
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances 06 01 04* - phosphoric and phosphorous acid

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1805	UN 1805	UN 1805	UN 1805	UN 1805
14.2. UN proper shipping name				
PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID SOLUTION	Phosphoric acid, solution	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION
Transport document description				
UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III, (E)	UN 1805 PHOSPHORIC ACID SOLUTION, 8, III	UN 1805 Phosphoric acid, solution, 8, III	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

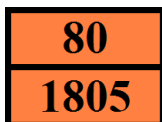
Classification code (ADR)	: C1
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2R

Transport by sea

Transport regulations (IMDG)	: Subject to the provisions
Special provisions (IMDG)	: 223
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Miscible in water. Mildly corrosive to most metals.

Air transport

Transport regulations (IATA)	: Subject to the provisions
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

Inland waterway transport

Classification code (ADN)	: C1
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

Rail transport

Transport regulations (RID)	: Subject to the provisions
Classification code (RID)	: C1
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: L4BN

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

VOC Directive (2004/42)

VOC content : 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

Germany

Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	: None of the components are listed
SZW-lijst van reprotoxische stoffen –	: None of the components are listed
Vruchtbaarheid	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: None of the components are listed

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Denmark

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Toxicological information.

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Flammability (solid, gas)	Modified	
	Supersedes	Added	
2.1	Specific concentration limits (CLP)	Added	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
4.1	First-aid measures general	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after eye contact	Modified	
4.1	First-aid measures after ingestion	Modified	
5.1	Suitable extinguishing media	Modified	
6.1	Emergency procedures	Modified	
6.3	Methods for cleaning up	Modified	
7.1	Precautions for safe handling	Modified	
12.1	LC50 fish 1	Modified	
12.2	Biochemical oxygen demand (BOD)	Removed	
13.1	Regional legislation (waste)	Removed	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

phosphoric acid 85%

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Abbreviations and acronyms:	
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.