

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## Basfoliar® Violeta SL 6-17-6

Version	Revision Date:	SDS Number:	Date of last issue: 19.10.2024
1.1	31.01.2025	M0120	Date of first issue: 19.10.2024

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

#### 1.1 Product identifier

Trade name : Basfoliar® Violeta SL 6-17-6

Unique Formula Identifier (UFI) : 74S2-U02K-100N-9MUC

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

Use of the Sub-stance/Mixture : Fertiliser

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

Company : COMPO EXPERT GmbH  
Krögerweg 10  
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person responsible for the SDS : info@compo-expert.com

#### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h  
Telephone:+49 (0) 6132 - 84463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Reproductive toxicity, Category 1B	H360FD: May damage fertility. May damage the unborn child.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	H314 Causes severe skin burns and eye damage. H360FD May damage fertility. May damage the unborn child. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P201 Obtain special instructions before use. P260 Do not breathe dust or mist. P264 Wash skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. <b>Response:</b> P308 + P313 IF exposed or concerned: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention.

### Hazardous components which must be listed on the label:

boric acid

### Additional Labelling

Restricted to professional users.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Inorganic fertiliser

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### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
phosphoric acid	7664-38-2 231-633-2 015-011-00-6 01-2119485924-24-XXXX	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318  specific concentration limit Skin Corr. 1B; H314 >= 25 % Skin Irrit. 2; H315 10 - < 25 % Eye Irrit. 2; H319 10 - < 25 %  Acute toxicity estimate  Acute oral toxicity: 300,03 mg/kg	>= 10 - < 20
boric acid	10043-35-3 233-139-2 005-007-00-2 01-2119486683-25-XXXX	Repr. 1B; H360FD	>= 0,3 - < 1
copper sulphate	7758-98-7 231-847-6 029-004-00-0 01-2119520566-40-XXXX	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10  Acute toxicity estimate  Acute oral toxicity: 481 mg/kg	>= 0,1 - < 0,25
Zinc sulphate, monohydrate	7446-19-7	Acute Tox. 4; H302	>= 0,1 - < 0,25

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	231-793-3 030-006-00-9 01-2119474684-27-XXXX	Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 <hr/> M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 <hr/> Acute toxicity estimate  Acute oral toxicity: 1.260 mg/kg
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : If breathed in, move person into fresh air.  
In the case of inhalation of aerosol/mist consult a physician if necessary.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.

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

- Risks : Causes skin irritation.  
Causes serious eye irritation.  
May damage fertility. May damage the unborn child.

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

- Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Water

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Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Sand

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Hazardous combustion products  
Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Avoid contact with skin, eyes and clothing.  
Avoid formation of aerosol.  
Do not breathe vapours or spray mist.  
For personal protection see section 8.  
For disposal considerations see section 13.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.  
Wear personal protective equipment.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : No special precautions required.
- Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

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

- Further information on storage conditions : Keep container tightly closed and in a well-ventilated place.
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.  
Keep away from strong bases.
- Storage class (TRGS 510) : 6.1D
- Recommended storage temperature : 5 - 40 °C
- Further information on storage stability : Protect from frost, heat and sunlight.

#### 7.3 Specific end use(s)

- Specific use(s) : Not relevant

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
phosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
		STEL	2 mg/m <sup>3</sup>	2000/39/EC

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	Further information: Indicative			
		MAK (inhalable fraction)	2 mg/m <sup>3</sup>	DE DFG MAK
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		AGW (Inhalable fraction)	2 mg/m <sup>3</sup>	DE TRGS 900
	Peak-limit: excursion factor (category): 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
boric acid	10043-35-3	MAK (inhalable fraction)	10 mg/m <sup>3</sup>	DE DFG MAK
	Further information: According to currently available information damage to the embryo or foetus cannot be excluded after exposure to concentrations at the level of the MAK and BAT values			
		AGW (Inhalable fraction)	0,5 mg/m <sup>3</sup> (Borate)	DE TRGS 900
	Peak-limit: excursion factor (category): 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
copper sulphate	7758-98-7	MAK (measured as the alveolate fraction)	0,01 mg/m <sup>3</sup>	DE DFG MAK
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
Zinc sulphate, monohydrate	7446-19-7	MAK (measured as the alveolate fraction)	0,1 mg/m <sup>3</sup>	DE DFG MAK
	Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
		MAK (inhalable fraction)	2 mg/m <sup>3</sup>	DE DFG MAK
	Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

#### Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Break through time : > 480 min

Glove thickness : > 0,3 mm

Directive : Equipment should conform to EN 374

Remarks : The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. As the product is a mixture of several substances,

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the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Skin and body protection : Long sleeved clothing

Respiratory protection : Do not breathe vapours or spray mist.  
In the case of dust or aerosol formation use respirator with an approved filter.  
Equipment should conform to EN 14387

Filter type : Combined particulates, inorganic and acidic gas/vapour, ammonia/amines and organic vapour type (ABEK-P)

Protective measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash contaminated clothing before re-use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : green

Odour : none

Melting point/range : No data available

Boiling point/boiling range : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : not determined

Auto-ignition temperature : does not ignite

pH : 1,80 (20 °C)



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Solubility(ies)  
Water solubility : completely soluble

Partition coefficient: n-  
octanol/water : Not applicable

Density : 1,26 g/cm<sup>3</sup> (20 °C)

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Flammability (liquids) : Will not burn

Self-ignition : not auto-flammable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Potential for exothermic hazard

### 10.4 Conditions to avoid

Conditions to avoid : Strong sunlight for prolonged periods.  
Do not allow evaporation to dryness.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong bases and oxidizing agents.  
Metals

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### 10.6 Hazardous decomposition products

Oxides of phosphorus  
Sulphur oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Thermal decomposition can lead to release of irritating gases and vapours.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

#### Components:

##### **phosphoric acid:**

Acute oral toxicity : LD50 (Rat): > 300 - 2.000 mg/kg  
Method: OECD Test Guideline 423  
Assessment: Harmful if swallowed.

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

##### **boric acid:**

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

##### **copper sulphate:**

Acute oral toxicity : LD50 (Rat, male and female): 481 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

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### **Zinc sulphate, monohydrate:**

Acute oral toxicity : LD50 (Rat): 1.260 mg/kg

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

### **Skin corrosion/irritation**

Causes skin irritation.

#### **Components:**

##### **phosphoric acid:**

Assessment : Causes severe burns.

##### **boric acid:**

Assessment : No skin irritation

##### **copper sulphate:**

Assessment : Irritating to skin.

### **Zinc sulphate, monohydrate:**

Assessment : No skin irritation

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

#### **Components:**

##### **phosphoric acid:**

Assessment : Risk of serious damage to eyes.

##### **boric acid:**

Assessment : No eye irritation

##### **copper sulphate:**

Assessment : Irritating to eyes.

### **Zinc sulphate, monohydrate:**

Assessment : Risk of serious damage to eyes.

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### Respiratory or skin sensitisation

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Components:

##### phosphoric acid:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

##### boric acid:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

##### copper sulphate:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

##### Zinc sulphate, monohydrate:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Components:

##### phosphoric acid:

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

##### boric acid:

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

##### copper sulphate:

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

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### **Zinc sulphate, monohydrate:**

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### **Carcinogenicity**

Based on available data, the classification criteria are not met.

### **Components:**

#### **phosphoric acid:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

#### **boric acid:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

#### **copper sulphate:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### **Zinc sulphate, monohydrate:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### **Reproductive toxicity**

May damage fertility. May damage the unborn child.

### **Components:**

#### **phosphoric acid:**

Reproductive toxicity - Assessment : No toxicity to reproduction

No effects on or via lactation

#### **boric acid:**

Effects on fertility : Remarks: Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

No effects on or via lactation

#### **copper sulphate:**

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Reproductive toxicity - Assessment : No toxicity to reproduction  
No effects on or via lactation

### Zinc sulphate, monohydrate:

Reproductive toxicity - Assessment : No toxicity to reproduction  
No effects on or via lactation

### STOT - single exposure

Based on available data, the classification criteria are not met.

#### Components:

##### phosphoric acid:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

##### boric acid:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

##### copper sulphate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

##### Zinc sulphate, monohydrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

Based on available data, the classification criteria are not met.

#### Components:

##### phosphoric acid:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

##### boric acid:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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### **copper sulphate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Zinc sulphate, monohydrate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### **Aspiration toxicity**

Based on available data, the classification criteria are not met.

### **Components:**

#### **phosphoric acid:**

No aspiration toxicity classification

#### **boric acid:**

No aspiration toxicity classification

#### **copper sulphate:**

No aspiration toxicity classification

#### **Zinc sulphate, monohydrate:**

No aspiration toxicity classification

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Components:**

#### **boric acid:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 79,7 mg/l  
Remarks: Boron

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- Toxicity to daphnia and other aquatic invertebrates : LC50 (Ceriodaphnia dubia (water flea)): 91 mg/l  
Remarks: Boron
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (microalgae)): 52,4 mg/l  
Remarks: Boron
- Toxicity to fish (Chronic toxicity) : NOEC: 6,4 mg/l  
Species: Danio rerio (zebra fish)  
Remarks: Boron
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 14,2 mg/l  
Species: Daphnia magna (Water flea)  
Remarks: Boron

### **copper sulphate:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,032 mg/l  
Exposure time: 96 h  
Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,092 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 : 0,07 mg/l  
Exposure time: 72 h
- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to fish (Chronic toxicity) : NOEC: 13 mg/l  
Exposure time: 60 d
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 13,5 mg/l  
Exposure time: 28 d
- M-Factor (Chronic aquatic toxicity) : 10

### **Zinc sulphate, monohydrate:**

- Toxicity to fish : LC50 : 315 µg/l  
Exposure time: 96 h
- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to fish (Chronic toxicity) : NOEC: 0,1 mg/l  
Exposure time: 96 d



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Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic toxicity) : 1

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### **boric acid:**

Partition coefficient: n-octanol/water : log Pow: -1,09 (22 °C)

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

##### **phosphoric acid:**

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).

##### **boric acid:**

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- |                        |   |  |
|------------------------|---|--|
| Product                | : | Do not flush into surface water or sanitary sewer system.<br>In accordance with local and national regulations.  |
| Contaminated packaging | : | Empty remaining contents.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>Empty containers retain residue and can be dangerous. |

## SECTION 14: Transport information

### 14.1 UN number or ID number

- |      |   |         |
|------|---|---------|
| ADN  | : | UN 1805 |
| ADR  | : | UN 1805 |
| RID  | : | UN 1805 |
| IMDG | : | UN 1805 |
| IATA | : | UN 1805 |

### 14.2 UN proper shipping name

- |      |   |                           |
|------|---|---------------------------|
| ADN  | : | PHOSPHORIC ACID, SOLUTION |
| ADR  | : | PHOSPHORIC ACID, SOLUTION |
| RID  | : | PHOSPHORIC ACID, SOLUTION |
| IMDG | : | PHOSPHORIC ACID SOLUTION  |
| IATA | : | Phosphoric acid, solution |

### 14.3 Transport hazard class(es)

- |      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | :     | 8                |
| ADR  | :     | 8                |
| RID  | :     | 8                |
| IMDG | :     | 8                |
| IATA | :     | 8                |

### 14.4 Packing group

- |               |   |     |
|---------------|---|-----|
| ADN           | : | III |
| Packing group | : | III |

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Classification Code : C1  
Hazard Identification Number : 80  
Labels : 8

### ADR

Packing group : III  
Classification Code : C1  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

### RID

Packing group : III  
Classification Code : C1  
Hazard Identification Number : 80  
Labels : 8

### IMDG

Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Remarks : Acids

### IATA (Cargo)

Packing instruction (cargo aircraft) : 856  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosives

### IATA\_P (Passenger)

Packing instruction (passenger aircraft) : 852  
Packing instruction (LQ) : Y841  
Packing group : III  
Labels : Corrosives

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data

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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Regulatory basis	:	IMSBC Code
Remarks	:	Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered:
--	---	---

boric acid (Number on list 30)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	boric acid
---	---	------------

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
---	---	----------------

Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
---	---	----------------

REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
---	---	----------------

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	:	Not applicable
---	---	----------------

Water hazard class (Germany)	:	WGK 2 obviously hazardous to water Classification according to AwSV, Annex 1 (5.2)
------------------------------	---	---

#### Other regulations:

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

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### 15.2 Chemical safety assessment

Not relevant

## SECTION 16: Other information

### Full text of H-Statements

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.
H360FD	: May damage fertility. May damage the unborn child.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Met. Corr.	: Corrosive to metals
Repr.	: Reproductive toxicity
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
DE DFG MAK	: Germany. MAK BAT Annex IIa
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
DE DFG MAK / MAK	: MAK value
DE TRGS 900 / AGW	: Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL

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- Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Skin Irrit. 1B	H314
Repr. 1B	H360FD
Aquatic Chronic 3	H412

#### Classification procedure:

Expert judgement and weight of evidence determination.
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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