

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## Hi Zink P

|                |                              |                         |   |
|----------------|------------------------------|-------------------------|---|
| Version<br>1.2 | Revision Date:<br>07.08.2025 | SDS Number:<br>50001936 | Date of last issue: 18.07.2018<br>Date of first issue: 18.07.2018 |
|----------------|------------------------------|-------------------------|---|

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

### 1.1 Product identifier

Product name Hi Zink P

#### Other means of identification

Product code 50001936

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

Use of the Substance/Mixture : Crop nutrition

Recommended restrictions on use : Use as recommended by the label.

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

Supplier Address FMC Agro Limited  
Rectors Lane, Pentre  
Flintshire  
CH5 2DH  
United Kingdom

Telephone: + 44 1244 537370  
E-mail address: SDS-Info@fmc.com .

### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
England and Wales: 44-870-8200418 (CHEMTREC)

Medical emergency:  
England and Wales: 111  
Scotland: 84 54 24 2424

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin corrosion, Sub-category 1A H314: Causes severe skin burns and eye damage.

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Serious eye damage, Category 1

H318: Causes serious eye damage.

Long-term (chronic) aquatic hazard, Category 2

H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms



Signal word

: Danger

Hazard statements

: H314 Causes severe skin burns and eye damage.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P391 Collect spillage.

Hazardous components which must be listed on the label:

phosphoric acid

### Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### 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.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name               | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification  | Concentration<br>(% w/w) |
|-----------------------------|---|---|--------------------------|
| phosphoric acid             | 7664-38-2<br>231-633-2<br>015-011-00-6                | Met. Corr. 1; H290<br>Acute Tox. 4; H302<br>Skin Corr. 1B;<br>H314<br>Eye Dam. 1; H318<br>Aquatic Chronic 2;<br>H411<br><br>specific concentra-<br>tion limit<br>Skin Corr. 1B;<br>H314<br>>= 25 %<br>Skin Irrit. 2; H315<br>10 - < 25 %<br>Eye Irrit. 2; H319<br>10 - < 25 % | >= 30 - < 50             |
| trizinc bis(orthophosphate) | 7779-90-0<br>231-944-3<br>030-011-00-6                | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br><br>M-Factor (Acute<br>aquatic toxicity): 1<br>M-Factor (Chronic<br>aquatic toxicity): 1  | >= 10 - < 20             |

For explanation of abbreviations see section 16.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

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Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Avoid inhalation, ingestion and contact with skin and eyes.  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Take off all contaminated clothing immediately.  
Wash contaminated clothing before re-use.  
Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

- Risks : Causes severe skin burns and eye damage.

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet  
Do not spread spilled material with high-pressure water streams.

### 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 : Fire may produce irritating, corrosive and/or toxic gases.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Firefighters should wear protective clothing and self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

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

- Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
For disposal considerations see section 13.

### 6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform

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respective authorities.

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

- Methods for cleaning up : Neutralize with chalk, alkali solution or ammonia.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : Crop nutrition

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## 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/m3            | GB EH40    |
|                                 |           | STEL                          | 2 mg/m3            | GB EH40    |
|                                 |           | TWA                           | 1 mg/m3            | 2000/39/EC |
| Further information: Indicative |           |                               |                    |            |
|                                 |           | STEL                          | 2 mg/m3            | 2000/39/EC |
| Further information: Indicative |           |                               |                    |            |

#### Derived No Effect Level (DNEL)

| Substance name                     | End Use   | Exposure routes | Potential health effects   | Value       |
|------------------------------------|-----------|-----------------|----------------------------|-------------|
| potassium dihydrogenorthophosphate | Workers   | Inhalation      | Long-term systemic effects | 14.82 mg/m3 |
|                                    | Consumers | Inhalation      | Long-term systemic effects | 6.35 mg/m3  |
|                                    | Consumers | Oral            | Long-term systemic effects | 70 mg/kg    |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

#### Hand protection

Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

#### Skin and body protection

: Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Respiratory protection

: No personal respiratory protective equipment normally required.

#### Protective measures

: Always have on hand a first-aid kit, together with proper instructions.  
Ensure that eye flushing systems and safety showers are located close to the working place.

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Wear suitable protective equipment.  
When using do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |  |
|--|---|--|
| Physical state                                   | : | liquid   |
| Form   | : | liquid   |
| Colour   | : | colourless                                     |
| Odour  | : | Faint odour                                    |
| Odour Threshold                                  | : | No data available                              |
| pH   | : | 0.25 - 1.25<br>Concentration: 100 %            |
| Melting point/freezing point                     | : | 1.8 - 2.8                                      |
| Initial boiling point and boiling range          | : | Concentration: 10 %<br>(10% solution in water) |
| Flash point                                      | : | No data available                              |
| Upper explosion limit / Upper flammability limit | : | No data available                              |
| Lower explosion limit / Lower flammability limit | : | No data available                              |
| Vapour pressure                                  | : | No data available                              |
| Relative vapour density                          | : | No data available                              |
| Relative density                                 | : | 1.61 - 1.63                                    |
| Density  | : | No data available                              |
| Bulk density                                     | : | No data available                              |
| Solubility(ies)                                  |   |  |
| Water solubility                                 | : | soluble  |
| Solubility in other solvents                     | : | No data available                              |
| Partition coefficient: n-octanol/water           | : | No data available                              |
| Auto-ignition temperature                        | : | No data available                              |
| Decomposition temperature                        | : | No data available                              |
| Viscosity  |   |  |
| Viscosity, dynamic                               | : | No data available                              |
| Viscosity, kinematic                             | : | No data available                              |
| Explosive properties                             | : | No data available                              |
| Oxidizing properties                             | : | Non-oxidizing                                  |

### 9.2 Other information

|                            |   |                   |
|----------------------------|---|-------------------|
| Particle size              | : | No data available |
| Particle Size Distribution | : | No data available |

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid formation of aerosol.  
Avoid extreme temperatures

### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

### 10.6 Hazardous decomposition products

Toxic fumes  
No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

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

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute toxicity estimate: 1,517 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 9.1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

#### phosphoric acid:

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Acute oral toxicity : LD50 (Rat, female): > 300 - < 2,000 mg/kg  
Method: OECD Test Guideline 423

### **trizinc bis(orthophosphate):**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC0 (Rat, male and female): > 5.7 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Remarks: Based on data from similar materials  
no mortality

### **Skin corrosion/irritation**

Causes severe burns.

#### **Product:**

Assessment : Irritating to skin.  
Result : Causes severe burns.

#### **Components:**

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

Species : Rabbit  
Assessment : Corrosive  
Result : Corrosive after 3 minutes to 1 hour of exposure

##### **trizinc bis(orthophosphate):**

Species : Rabbit  
Exposure time : 5 d  
Method : OECD Test Guideline 404  
Result : No skin irritation  
Remarks : Based on data from similar materials

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

Causes serious eye damage.

#### **Product:**

Assessment : Risk of serious damage to eyes.  
Result : Severe eye irritation

#### **Components:**

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

Result : Irreversible effects on the eye  
Remarks : Based on skin corrosivity

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### **trizinc bis(orthophosphate):**

Species : Rabbit  
Exposure time : 72 h  
Method : OECD Test Guideline 405  
Result : No eye irritation

### **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.

#### **Product:**

Remarks : No data available

#### **Components:**

### **trizinc bis(orthophosphate):**

Test Type : Maximisation Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.  
Remarks : Based on data from similar materials

### **Germ cell mutagenicity**

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

#### **Components:**

### **phosphoric acid:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: negative

### **trizinc bis(orthophosphate):**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative  
Remarks: Based on data from similar materials

Test Type: reverse mutation assay  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

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**Genotoxicity in vivo** : Test Type: In vivo micronucleus test  
Species: Mouse (male and female)  
Application Route: Intraperitoneal injection  
Exposure time: 30 h  
Result: negative  
Remarks: Based on data from similar materials

### Carcinogenicity

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

### Reproductive toxicity

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

#### Components:

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

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Rat, male and female  
Application Route: Ingestion  
General Toxicity - Parent: NOAEL: 500 mg/kg body weight  
General Toxicity F1: NOAEL: 500 mg/kg body weight  
Method: OECD Test Guideline 422  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Mouse  
Application Route: Ingestion  
General Toxicity Maternal: NOAEL: 370 mg/kg body weight  
Developmental Toxicity: NOAEL: 370 mg/kg body weight  
Result: negative  
Remarks: Based on data from similar materials

### STOT - single exposure

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

### STOT - repeated exposure

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

### Repeated dose toxicity

#### Components:

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

Species : Rat, male and female  
NOAEL : 250 mg/kg  
Application Route : Oral - gavage  
Exposure time : 42 - 54 d  
Method : OECD Test Guideline 422

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### Aspiration toxicity

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

### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

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

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 3 - 3.25 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

##### **trizinc bis(orthophosphate):**

Toxicity to fish : LC50 (Thymallus arcticus): 0.112 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: Based on data from similar materials

LC50 (Oncorhynchus kisutch (coho salmon)): 0.727 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: Based on data from similar materials

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.169 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: Based on data from similar materials

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LC50 : 0.439 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Remarks: Based on data from similar materials

LC50 (Pimephales promelas (fathead minnow)): 0.330 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 0.147 mg/l  
Exposure time: 48 h  
Remarks: Based on data from similar materials

EC50 (Daphnia magna (Water flea)): > 1.08 mg/l  
Exposure time: 48 h  
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 0.019 mg/l  
Exposure time: 72 h  
Remarks: Based on data from similar materials

IC50 (Selenastrum capricornutum (green algae)): 0.136 mg/l  
Exposure time: 72 h  
Remarks: Based on data from similar materials

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 0.044 mg/l  
Exposure time: 72 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.031 mg/l  
Exposure time: 50 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 1

## 12.2 Persistence and degradability

### Components:

#### **phosphoric acid:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

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### 12.3 Bioaccumulative potential

#### Components:

##### **trizinc bis(orthophosphate):**

- Bioaccumulation : Exposure time: 21 d  
Bioconcentration factor (BCF): 60,960  
Remarks: Based on data from similar materials

### 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.

### 12.6 Other adverse effects

#### Product:

- Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).
- Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

#### Components:

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

- Additional ecological information : Harmful effects on aquatic organisms also due to pH shift.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

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1.2

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Do not re-use empty containers.

## SECTION 14: Transport information

### 14.1 UN number

|             |   |         |
|-------------|---|---------|
| <b>ADN</b>  | : | UN 1760 |
| <b>ADR</b>  | : | UN 1760 |
| <b>RID</b>  | : | UN 1760 |
| <b>IMDG</b> | : | UN 1760 |
| <b>IATA</b> | : | UN 1760 |

### 14.2 UN proper shipping name

|             |   |  |
|-------------|---|--|
| <b>ADN</b>  | : | CORROSIVE LIQUID, N.O.S.<br>(Orthophosphoric acid, Zinc phosphate) |
| <b>ADR</b>  | : | CORROSIVE LIQUID, N.O.S.<br>(Orthophosphoric acid, Zinc phosphate) |
| <b>RID</b>  | : | CORROSIVE LIQUID, N.O.S.<br>(Orthophosphoric acid, Zinc phosphate) |
| <b>IMDG</b> | : | CORROSIVE LIQUID, N.O.S.<br>(Orthophosphoric acid, Zinc phosphate) |
| <b>IATA</b> | : | Corrosive liquid, n.o.s.<br>(Orthophosphoric acid, Zinc phosphate) |

### 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADN</b>  | :     | 8                |
| <b>ADR</b>  | :     | 8                |
| <b>RID</b>  | :     | 8                |
| <b>IMDG</b> | :     | 8                |
| <b>IATA</b> | :     | 8                |

### 14.4 Packing group

|                              |   |     |
|------------------------------|---|-----|
| <b>ADN</b>                   |   |     |
| Packing group                | : | III |
| Classification Code          | : | C9  |
| Hazard Identification Number | : | 80  |
| Labels                       | : | 8   |
| <b>ADR</b>                   |   |     |
| Packing group                | : | III |
| Classification Code          | : | C9  |
| Hazard Identification Number | : | 80  |

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



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|----------------|------------------------------|-------------------------|---|

**Labels** : 8  
**Tunnel restriction code** : (E)

### RID

**Packing group** : II  
**Classification Code** : C9  
**Hazard Identification Number** : 80  
**Labels** : 8

### IMDG

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

### IATA (Cargo)

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

### IATA (Passenger)

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

## 14.5 Environmental hazards

### ADN

**Environmentally hazardous** : yes

### ADR

**Environmentally hazardous** : yes

### RID

**Environmentally hazardous** : yes

### IMDG

**Marine pollutant** : yes

### IATA (Passenger)

**Environmentally hazardous** : yes

### IATA (Cargo)

**Environmentally hazardous** : yes

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

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

|   |          |   |
|---|----------|---|
| UK REACH List of restrictions (Annex 17)  | :        | Conditions of restriction for the following entries should be considered:<br>Number on list 3 |
| UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation                             | :        | Not applicable  |
| The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) | :        | Not applicable  |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer  | :        | Not applicable  |
| UK REACH List of substances subject to authorisation (Annex XIV)  | :        | Not applicable  |
| Control of Major Accident Hazards Regulations 2015 (COMAH)  | E2<br>E1 | ENVIRONMENTAL HAZARDS   |

#### The components of this product are reported in the following inventories:

|      |   |  |
|------|---|--|
| TCSI | : | On the inventory, or in compliance with the inventory  |
| TSCA | : | All substances listed as active on the TSCA inventory  |
| AIIC | : | On the inventory, or in compliance with the inventory  |
| DSL  | : | This product contains chemical substance(s) exempt from CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product. |
| ENCS | : | On the inventory, or in compliance with the inventory  |
| ISHL | : | On the inventory, or in compliance with the inventory  |
| KECI | : | On the inventory, or in compliance with the inventory  |

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|       |   |
|-------|---|
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| NZIoC | : Not in compliance with the inventory                  |
| TECI  | : On the inventory, or in compliance with the inventory |

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## 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.              |
| H318 | : Causes serious eye damage.                            |
| H400 | : Very toxic to aquatic life.                           |
| H410 | : Very toxic to aquatic life with long lasting effects. |
| H411 | : 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   |
| Met. Corr.        | : Corrosive to metals  |
| Skin Corr.        | : Skin corrosion   |
| 2000/39/EC        | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| GB EH40           | : UK. EH40 WEL - Workplace Exposure Limits   |
| 2000/39/EC / TWA  | : Limit Value - eight hours  |
| 2000/39/EC / STEL | : Short term exposure limit  |
| GB EH40 / TWA     | : Long-term exposure limit (8-hour TWA reference period)   |
| GB EH40 / STEL    | : Short-term exposure limit (15-minute reference period)   |

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;

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IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECL - 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|                   |      |
|-------------------|------|
| Skin Corr. 1A     | H314 |
| Eye Dam. 1        | H318 |
| Aquatic Chronic 2 | H411 |

#### Classification procedure:

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Based on product data or assessment |
| Calculation method                  |

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