

**Trade name:** DERREX**Product no.:** ND 062 C1155/UK-1**Current version :** 2.0.4, issued: 28.06.2023**Replaced version:** 2.0.3, issued: 22.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****DERREX****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Plant protection product

Molluscicide

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

Certis Belchim B.V. (EU)

Stadsplateau 16

3521 AZ Utrecht - Nederland

Telephone no. 0031 (0)30 200 1200

Fax no. 0031 (0)30 310 0241

e-mail info@certisbelchim.com

**Advice on Safety Data Sheet**

www.certisbelchim.com

**Identification of the supplier****Address**

Certis Belchim B.V. - United Kingdom

Suite 5, 3 Riverside, Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. 0044 (0) 1223 652500

Fax no. 0044 (0)1223 891210

e-mail info.uk@certisbelchim.com - www.certisbelchim.co.uk

**1.4 Emergency telephone number**

Carechem 24 EU: +44 1235 239670

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard statements (EU)**

EUH401

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

**Precautionary statement(s)**

P102

Keep out of reach of children.

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P501

Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

**2.3 Other hazards**

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Chemical characterization**

solid plant protection formulation; 21.06 g/kg anhydrous ferric phosphate present as 29.7 g/kg hydrated ferric phosphate (GB)

**Hazardous ingredients**

| No | Substance name                    | Additional information              |                 |
|----|-----------------------------------|-------------------------------------|-----------------|
|    | CAS / EC / Index / REACH no       | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1  | iron-orthophosphate               |                                     |                 |
|    | 10045-86-0<br>233-149-7<br>-<br>- | -                                   | < 5.00<br>wt%   |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

If medical advice is needed, have product container or label at hand.

**After inhalation**

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**After skin contact**

Take off contaminated clothing. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**After ingestion**

Rinse mouth. Call a POISON CENTER or doctor/physician.

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

No data available.

**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**

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

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High power water jet

**5.2 Special hazards arising from the substance or mixture**In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); chlorine compounds; Nitrogen oxides (NO<sub>x</sub>)**5.3 Advice for firefighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

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

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Do not inhale dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust/fumes/aerosols.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Recommended storage temperature**

Value 35 °C

**Requirements for storage rooms and vessels**

Store product in closed containers.

**Incompatible products**

Do not store together with foodstuffs.

**7.3 Specific end use(s)****Industry solution**

Always read the label and product information before use.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

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| No  | Substance name                            | CAS no.    | EC no.            |
|---|---|------------|-------------------|
| 1   | iron-orthophosphate                       | 10045-86-0 | 233-149-7         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |            |                   |
| Iron salts (as Fe)  |   |            |                   |
|   | WEL short-term (15 min reference period)  | 2          | mg/m <sup>3</sup> |
|   | WEL long-term (8-hr TWA reference period) | 1          | mg/m <sup>3</sup> |

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                      |                   |
|--------------------------------------|-------------------|
| <b>State of aggregation</b>          | solid             |
| <b>Form</b>                          | solid             |
| <b>Colour</b>                        | blue              |
| <b>Odour</b>                         | odourless         |
| <b>pH value</b>                      | No data available |
| <b>Boiling point / boiling range</b> | No data available |
| <b>Melting point/freezing point</b>  | No data available |
| <b>Decomposition temperature</b>     | No data available |
| <b>Flash point</b>                   |                   |
| Method                               | EEC A10           |

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|  |                              |
|--|------------------------------|
| Source   | Manufacturer                 |
| <b>Ignition temperature</b>                              |                              |
| No data available  |                              |
| <b>Oxidising properties</b>                              |                              |
| not oxidizing  |                              |
| <b>Explosive properties</b>                              |                              |
| Product does not present an explosion hazard.            |                              |
| <b>Flammability</b>                                      |                              |
| 376 °C   |                              |
| Method   | EEC A.16                     |
| Source   | Manufacturer                 |
| <b>Lower explosion limit</b>                             |                              |
| No data available  |                              |
| <b>Upper explosion limit</b>                             |                              |
| No data available  |                              |
| <b>Vapour pressure</b>                                   |                              |
| No data available  |                              |
| <b>Relative vapour density</b>                           |                              |
| No data available  |                              |
| <b>Relative density</b>                                  |                              |
| No data available  |                              |
| <b>Density</b>   |                              |
| No data available  |                              |
| <b>Bulk density</b>                                      |                              |
| Value  | appr. 0.73 g/cm <sup>3</sup> |
| Source   | Manufacturer                 |
| <b>Solubility in water</b>                               |                              |
| Source   | Manufacturer                 |
| Comments   | insoluble                    |
| <b>Solubility</b>  |                              |
| No data available  |                              |
| <b>Partition coefficient n-octanol/water (log value)</b> |                              |
| No data available  |                              |
| <b>Kinematic viscosity</b>                               |                              |
| No data available  |                              |
| <b>Particle characteristics</b>                          |                              |
| No data available  |                              |

**9.2 Other information**

|                          |
|--------------------------|
| <b>Other information</b> |
| No data available.       |

**SECTION 10: Stability and reactivity****10.1 Reactivity**

The product is stable under normal storage and handling conditions.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

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No data available.

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

Oxidizing agents; strong bases; strong acids

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| <b>Acute oral toxicity</b> |              |
|----------------------------|--------------|
| No                         | Product Name |
| 1                          | DERREX       |
| LD50                       | > 5000 mg/kg |
| Species                    | rat          |
| Method                     | OECD 423     |
| Source                     | Manufacturer |

| <b>Acute dermal toxicity</b> |              |
|------------------------------|--------------|
| No                           | Product Name |
| 1                            | DERREX       |
| LD50                         | > 2000 mg/kg |
| Species                      | rat          |
| Method                       | OECD 402     |
| Source                       | Manufacturer |

| <b>Acute inhalational toxicity</b> |  |
|------------------------------------|--|
| No data available                  |  |

| <b>Skin corrosion/irritation</b> |              |
|----------------------------------|--------------|
| No                               | Product Name |
| 1                                | DERREX       |
| Species                          | rat          |
| Method                           | OECD 404     |
| Source                           | Manufacturer |
| Evaluation                       | non-irritant |

| <b>Serious eye damage/irritation</b> |              |
|--------------------------------------|--------------|
| No                                   | Product Name |
| 1                                    | DERREX       |
| Species                              | rat          |
| Method                               | OECD 404     |
| Source                               | Manufacturer |
| Evaluation                           | non-irritant |

| <b>Respiratory or skin sensitisation</b> |                 |
|--|-----------------|
| No                                       | Product Name    |
| 1  | DERREX          |
| Route of exposure                        | Skin            |
| Source                                   | Manufacturer    |
| Evaluation                               | non-sensitizing |

| <b>Germ cell mutagenicity</b> |  |
|-------------------------------|--|
| No data available             |  |

| <b>Reproduction toxicity</b> |  |
|------------------------------|--|
| No data available            |  |

| <b>Carcinogenicity</b> |  |
|------------------------|--|
| No data available      |  |

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No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2 Information on other hazards****Endocrine disrupting properties**

No data available.

**Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity****Toxicity to fish (acute)****No Product Name****1 DERREX**

|                      |                     |     |      |
|----------------------|---------------------|-----|------|
| LC50                 | >                   | 100 | mg/l |
| Duration of exposure |                     | 96  | h    |
| Species              | Oncorhynchus mykiss |     |      |
| Method               | OECD 203            |     |      |
| Source               | Manufacturer        |     |      |

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)****No Product Name****1 DERREX**

|                      |               |     |      |
|----------------------|---------------|-----|------|
| EC50                 | >             | 100 | mg/l |
| Duration of exposure |               | 48  | h    |
| Species              | Daphnia magna |     |      |
| Method               | OECD 202      |     |      |
| Source               | Manufacturer  |     |      |

**Toxicity to Daphnia (chronic)**

No data available

**Toxicity to algae (acute)****No Product Name****1 DERREX**

|                      |                                 |     |      |
|----------------------|---------------------------------|-----|------|
| ErC50                | >                               | 100 | mg/l |
| Duration of exposure |                                 | 72  | h    |
| Species              | Pseudokirchneriella subcapitata |     |      |
| Method               | OECD 201                        |     |      |
| Source               | Manufacturer                    |     |      |

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

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No data available.

**12.5 Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

|                 |   |
|-----------------|---|
| PBT assessment  | The components of this product are not considered to be a PBT.  |
| vPvB assessment | The components of this product are not considered to be a vPvB. |

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

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

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.



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|   |
|---|
| <b>Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES</b> |
|---|

|   |
|---|
| According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006. |
|---|

|   |
|---|
| <b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b> |
|---|

|  |
|--|
| This product is not subject to Part 1 or 2 of Annex I. |
|--|

|   |
|---|
| <b>Regulation (EC) No 1107/2009 concerning the placing of plant protection products on the market</b> |
|---|

|   |
|---|
| Regulation (EU) No 547/2011 implementing Regulation (EC) No 1107/2009 as regards labelling requirements for plant protection products |
|---|

|           |
|-----------|
| Annex III |
|-----------|

|   |
|---|
| SP1 Do not contaminate water with the product or its container. |
|---|

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Creation of the safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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