

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : IRONFLEXX  
Product code : ND 062 C1155  
Type of formulation : Granular bait (GB)  
Active Ingredient : Ferric-III-phosphate

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Plant protection product for professional use. Agriculture.  
Use of the substance/preparation : Molluscicide.

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**Supplier:

W. Neudorff GmbH KG  
An der Muhle 3  
D-31860  
Emmerthal.

Distributor:

CERTIS UK  
Suite 5, 3 Riverside  
Granta Park  
Great Abington  
Cambridgeshire CB21 6AD  
United Kingdom  
Tel: +44 (0)845 373 0305  
Fax: +44 (0)1223 891210  
Email: [certis@certiseurope.co.uk](mailto:certis@certiseurope.co.uk)  
Website: [www.certiseurope.co.uk](http://www.certiseurope.co.uk)

**1.4. Emergency telephone number**

Emergency number : Certis Carechem24 multilingual 24 hours emergency number: +44 (0) 870 190 6777.  
For further advice for medical professionals:  
The National Poisons Information Service: +44 (0) 870 600 6266.  
For further advice for veterinary surgeons: +44 (0) 20 7635 9195  
**Dublin** - National Poisons Information Centre, Beaumont Hospital, Dublin 9:  
Available from 8 am to 10 pm - 7 days: +353 (01) 809 2166  
Available 24hrs: +353 (01) 809 2566

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified.

## 2.2. Label elements

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

Precautionary statements (CLP)	: P102 - Keep out of reach of children.  P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EUH phrases	: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.  SP1- Do not contaminate water with the product or its container.

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Name	Product identifier	g/kg	Classification according to Directive 67/548/EEC
Ferric-III-phosphate	(CAS No) 10045-86-0 (EC no) 233-149-7	29,7	Not classified.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In the event of any complaints or symptoms, avoid further exposure.
First-aid measures after inhalation	: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  If symptoms persist call a doctor.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water.  Remove contaminated clothing and shoes.  If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  Consult an eye specialist.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  Never give anything by mouth to an unconscious person.

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

Symptoms/injuries : No symptoms.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray  
Dry chemical powder  
Alcohol resistant foam  
Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Jet of water.

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

Fire hazard : Combustion or thermal decomposition may generate toxic vapours: chlorine compounds, nitrogen oxides, carbon monoxide, hydrocarbons.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.  
Fight fire from safe distance and protected location.  
Do not breathe fumes  
Cool closed containers exposed to fire with water spray  
If possible, take the containers out of dangerous zone.  
Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Protection during firefighting : Wear suitable protective clothing, gloves, eye/face protection and respiratory protection  
Wear a self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures : Evacuate area.  
Ensure adequate ventilation.  
Avoid direct contact with the substance.  
Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.  
Do not discharge into drains/surface waters/ground water.

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

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.  
Once absorbed collect spilled material with shovels, buckets and place in closed containers and label properly.  
Remove as chemical waste, according to national or local legislation.  
In the event of major spillage: contact an expert.

### 6.4. Reference to other sections

See sections 7-8-13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use.
- Avoid contact with eyes, skin, nose and mouth.
- Wear suitable protective clothing, gloves and eye/face protection.
- Opened containers must be carefully closed and kept upright to avoid leakage.
- Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.
- Contaminated work clothing should not be allowed out of the workplace.
- Do no eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.

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

- Technical measures : Provide adequate ventilation.
- Storage conditions : Prevent unauthorised access.
- Keep locked up and out of the reach of children.
- Keep in original containers, tightly closed.
- Keep away from food, drink and animal feedingstuffs.
- Protect against frost.
- Keep away from heat and direct sunlight.
- Storage conditions : Store in a dry place. Keep away from food, drink and animal feeding stuffs. Storage group: 13.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

- Other information : Wash hands and other exposed areas with soap and water before leaving work. Avoid contact with eyes.

## SECTION 9: Physical and chemical properties

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

- Physical state : Solid
- Appearance : Granular solid.
- Colour : Blue.
- Odour : Almost odourless.
- Flammability (solid, gas) : 376 °C
- Density : 0.73 g/cm<sup>3</sup>
- Solubility : Nearly insoluble.
- Explosive properties : No explosive properties.
- Oxidising properties : No oxidising properties.

### 9.2. Other information

- VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

**10.2. Chemical stability**

No additional information available

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

None.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

Acute toxicity : Not classified

IRONFLEXX	
LD50 oral rat	> 5000 mg/kg OECD 423
LD50 dermal rat	> 2000 mg/kg OECD 423

 Irritation : Not classified  
 Not irritant to skin  
 Not irritant to eyes

Corrosivity : Not classified

Sensitisation : Not classified

Repeated dose toxicity : Not classified

Carcinogenicity : Not classified

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

Other information : The ferric phosphate used as active agent corresponds to food quality.

**SECTION 12: Ecological information**
**12.1. Toxicity**

IRONFLEXX	
LC50 fish ( <i>Oncorhynchus mykiss</i> )	> 100 mg/l OECD 203
LC50 other aquatic organisms ( <i>Pseudokirchneriella subcapitata</i> )	> 100 mg/l OECD 201
EC50 Daphnia	> 100 mg/l OECD 202

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

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

No additional information available

**12.6. Other adverse effects**

Other information : Do not allow uncontrolled leakage of product into the environment.

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

Waste treatment methods : Handle and dispose of waste in accordance with local and national regulations.

Waste code No.	Name of waste
20 02 01	Biodegradable waste.
20 03 01	Mixed municipal waste

**SECTION 14: Transport information**

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

**14.1. UN number**

No dangerous good in sense of transport regulations.

**14.2. UN proper shipping name**

Not applicable

**14.3. Transport hazard class(es)**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Other information : No supplementary information available.

**14.6. Special precautions for user**
**14.6.1. Overland transport**

Not applicable

**14.6.2. Transport by sea**

Not applicable

**14.6.3. Air transport**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

No additional information available.