

**Trade name:** CROUPIER OD**Product no.:** MAI 149 C0222 UK**Current version :** 3.0.4, issued: 28.06.2023**Replaced version:** 3.0.3, issued: 22.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**CROUPIER OD****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 for professional use. Agriculture.  
Herbicide**Uses advised against**

Consumer use

**1.3 Details of the supplier of the safety data sheet****Address**Certis Belchim B.V. (EU)  
Stadsplateau 16  
3521 AZ Utrecht - NederlandTelephone 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 KingdomTelephone 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 in accordance with Regulation (EC) No 1272/2008 (CLP)**Aquatic Acute 1; H400  
Aquatic Chronic 1; H410**Classification information**

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 pictograms**

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GHS09

**Signal word**

Warning

**Hazard statement(s)**

H410 Very toxic to aquatic life with long lasting effects.

**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.

P273 Avoid release to the environment.

P391 Collect spillage.

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**

Fluroxypyr-meptyl-ester (=Fluroxypyr) + Metsulfuron-methyl 324 g/L (= 225 g/L) + 9 g/L (OD)

**Hazardous ingredients**

| No | Substance name                                  | Additional information                           |                        |
|----|---|--|------------------------|
|    | CAS / EC / Index / REACH no                     | Classification (EC) 1272/2008 (CLP)              | Concentration          |
|    |   |  | %                      |
| 1  | <b>fluroxypyr-meptyl</b>                        |  |                        |
|    | 81406-37-3<br>279-752-9<br>607-272-00-5<br>-    | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410 | >= 25.00 - < 50.00 wt% |
| 2  | <b>Ethoxylated Polyarylphenol</b>               |  |                        |
|    | 99734-09-5<br>-<br>-<br>-                       | Aquatic Chronic 3; H412                          | >= 10.00 - < 25.00 wt% |
| 3  | <b>metsulfuron-methyl</b>                       |  |                        |
|    | 74223-64-6<br>-<br>613-139-00-2<br>-            | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410 | < 2.50 wt%             |
| 4  | <b>silicon dioxide, chemically prepared</b>     |  |                        |
|    | 7631-86-9<br>231-545-4<br>-<br>01-2119379499-16 | -  | < 2.50 wt%             |

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

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| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|-------------------------------|------------------|--------------------|
| 3  | -    | -                             | M = 1000         | M = 1000           |

## 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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Dry chemical extinguisher; Carbon dioxide; Foam; Water spray jet

#### Unsuitable extinguishing media

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); Chlorides; Fluorides; Sulphur oxides (SxO<sub>y</sub>); Nitrogen oxides (NO<sub>x</sub>); Hydrogen cyanide (HCN)

### 5.3 Advice for firefighters

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

#### 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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections

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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. 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.

#### 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 in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Do not store the product in a room where the temperature may exceed 40°C.

#### Incompatible products

Do not store together with: Alkalis; oxidizing agents; Acids

### 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

#### Occupational exposure limit values

| No  | Substance name                            | CAS no.   | EC no.            |
|---|---|-----------|-------------------|
| 1   | silicon dioxide, chemically prepared      | 7631-86-9 | 231-545-4         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |           |                   |
| Silica, amorphous inhalable dust                                |   |           |                   |
|   | WEL long-term (8-hr TWA reference period) | 6         | mg/m <sup>3</sup> |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |           |                   |
| Silica, amorphous respirable dust                               |   |           |                   |
|   | WEL long-term (8-hr TWA reference period) | 2.4       | 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 aerosol 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

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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.

Appropriate Material                      butyl rubber

**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>          |     |     |                        |
| liquid                               |     |     |                        |
| <b>Form</b>                          |     |     |                        |
| liquid; Dispersion                   |     |     |                        |
| <b>Colour</b>                        |     |     |                        |
| beige                                |     |     |                        |
| <b>Odour</b>                         |     |     |                        |
| pine oil                             |     |     |                        |
| <b>pH value</b>                      |     |     |                        |
| Value                                | 7.9 | -   | 8.1                    |
| Concentration                        |     |     | 1.2 % aqueous solution |
| <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>                   |     |     |                        |
| Value                                |     | 95  | °C                     |
| <b>Ignition temperature</b>          |     |     |                        |
| Value                                | >   | 400 | °C                     |
| <b>Oxidising properties</b>          |     |     |                        |
| not oxidizing                        |     |     |                        |
| <b>Flammability</b>                  |     |     |                        |
| The product is not combustible.      |     |     |                        |
| <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>              |     |     |                        |

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No data available

| Density               |                                 |
|-----------------------|---------------------------------|
| Value                 | 1.094 - 1.098 g/cm <sup>3</sup> |
| Reference temperature | 20 °C                           |

| Solubility in water |          |
|---------------------|----------|
| Comments            | miscible |

| Solubility        |  |
|-------------------|--|
| No data available |  |

| Partition coefficient n-octanol/water (log value) |  |
|---|--|
| No data available                                 |  |

| Kinematic viscosity   |           |
|-----------------------|-----------|
| Value                 | 196 mPa*s |
| Reference temperature | 40 °C     |
| Type                  | dynamic   |

| Particle characteristics |  |
|--------------------------|--|
| No data available        |  |

**9.2 Other information**

| Other information  |  |
|--------------------|--|
| No data available. |  |

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

Dangerous reactions are not expected if the product is handled according to its intended use.

**10.2 Chemical stability**

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

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Oxidizing agents; Alkalis; Acids

**10.6 Hazardous decomposition products**

Chlorides; Fluorides; Nitrous oxides (NO<sub>x</sub>); Sulphur oxides; Hydrogen cyanide (HCN)

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

| Acute oral toxicity |  |
|---------------------|--|
| No data available   |  |

| Acute dermal toxicity |  |
|-----------------------|--|
| No data available     |  |

| Acute inhalational toxicity |                    |            |        |  |
|-----------------------------|--------------------|------------|--------|--|
| No                          | Substance name     | CAS no.    | EC no. |  |
| 1                           | metsulfuron-methyl | 74223-64-6 | -      |  |
| LC50                        | >                  | 5.3        | mg/l   |  |
| Duration of exposure        |                    | 4          | h      |  |
| State of aggregation        | Dust/mist          |            |        |  |
| Species                     | rat                |            |        |  |
| Source                      | Manufacturer       |            |        |  |

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|  |                       |   |               |
|--|-----------------------|---|---------------|
| <b>Skin corrosion/irritation</b>         |                       |   |               |
| No data available                        |                       |   |               |
| <b>Serious eye damage/irritation</b>     |                       |   |               |
| No data available                        |                       |   |               |
| <b>Respiratory or skin sensitisation</b> |                       |   |               |
| No data available                        |                       |   |               |
| <b>Germ cell mutagenicity</b>            |                       |   |               |
| <b>No</b>                                | <b>Substance name</b> | <b>CAS no.</b>  | <b>EC no.</b> |
| 1  | metsulfuron-methyl    | 74223-64-6  | -             |
| Evaluation/classification                |                       | Based on available data, the classification criteria are not met. |               |
| <b>Reproduction toxicity</b>             |                       |   |               |
| <b>No</b>                                | <b>Substance name</b> | <b>CAS no.</b>  | <b>EC no.</b> |
| 1  | metsulfuron-methyl    | 74223-64-6  | -             |
| Evaluation/classification                |                       | Based on available data, the classification criteria are not met. |               |
| <b>Carcinogenicity</b>                   |                       |   |               |
| <b>No</b>                                | <b>Substance name</b> | <b>CAS no.</b>  | <b>EC no.</b> |
| 1  | metsulfuron-methyl    | 74223-64-6  | -             |
| Evaluation/classification                |                       | Based on available data, the classification criteria are not met. |               |
| <b>STOT - single exposure</b>            |                       |   |               |
| No data available                        |                       |   |               |
| <b>STOT - repeated exposure</b>          |                       |   |               |
| No data available                        |                       |   |               |
| <b>Aspiration hazard</b>                 |                       |   |               |
| 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**

|                                    |                       |                |               |
|------------------------------------|-----------------------|----------------|---------------|
| <b>Toxicity to fish (acute)</b>    |                       |                |               |
| <b>No</b>                          | <b>Substance name</b> | <b>CAS no.</b> | <b>EC no.</b> |
| 1                                  | metsulfuron-methyl    | 74223-64-6     | -             |
| LC50                               |                       | 100            | mg/l          |
| Duration of exposure               |                       | 96             | h             |
| Species                            | Poecilia reticulata   |                |               |
| Source                             | Manufacturer          |                |               |
| <b>Toxicity to fish (chronic)</b>  |                       |                |               |
| <b>No</b>                          | <b>Substance name</b> | <b>CAS no.</b> | <b>EC no.</b> |
| 1                                  | metsulfuron-methyl    | 74223-64-6     | -             |
| NOEC                               |                       | 68             | mg/l          |
| Duration of exposure               |                       | 21             | day(s)        |
| Species                            | Oncorhynchus mykiss   |                |               |
| Method                             | OECD 210              |                |               |
| Source                             | Manufacturer          |                |               |
| <b>Toxicity to Daphnia (acute)</b> |                       |                |               |
| <b>No</b>                          | <b>Substance name</b> | <b>CAS no.</b> | <b>EC no.</b> |
| 1                                  | metsulfuron-methyl    | 74223-64-6     | -             |
| EC50                               |                       | 43.1           | mg/l          |

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|                      |               |   |
|----------------------|---------------|---|
| Duration of exposure | 48            | h |
| Species              | Daphnia magna |   |
| Source               | Manufacturer  |   |

| Toxicity to Daphnia (chronic) |                    |            |        |
|-------------------------------|--------------------|------------|--------|
| No                            | Substance name     | CAS no.    | EC no. |
| 1                             | metsulfuron-methyl | 74223-64-6 | -      |
| NOEC                          |                    | 100        | mg/l   |
| Duration of exposure          |                    | 21         | day(s) |
| Species                       | Daphnia magna      |            |        |
| Method                        | OECD 211           |            |        |
| Source                        | Manufacturer       |            |        |

| Toxicity to algae (acute) |                     |            |        |
|---------------------------|---------------------|------------|--------|
| No                        | Substance name      | CAS no.    | EC no. |
| 1                         | metsulfuron-methyl  | 74223-64-6 | -      |
| ErC50                     |                     | 0.1134     | mg/l   |
| Duration of exposure      |                     | 72         | h      |
| Species                   | Anabaena flos-aquae |            |        |
| Source                    | Manufacturer        |            |        |

| Toxicity to algae (chronic) |                           |            |        |
|-----------------------------|---------------------------|------------|--------|
| No                          | Substance name            | CAS no.    | EC no. |
| 1                           | metsulfuron-methyl        | 74223-64-6 | -      |
| NOEC                        |                           | 0.050      | mg/l   |
| Duration of exposure        |                           | 72         | h      |
| Species                     | Selenastrum capricornutum |            |        |
| Source                      | Manufacturer              |            |        |

| Bacteria toxicity |  |
|-------------------|--|
| No data available |  |

**12.2 Persistence and degradability**

| Biodegradability |                           |            |        |
|------------------|---------------------------|------------|--------|
| No               | Substance name            | CAS no.    | EC no. |
| 1                | metsulfuron-methyl        | 74223-64-6 | -      |
| Source           | Manufacturer              |            |        |
| Evaluation       | not readily biodegradable |            |        |

**12.3 Bioaccumulative potential**

| Bioconcentration factor (BCF) |                     |            |        |
|-------------------------------|---------------------|------------|--------|
| No                            | Substance name      | CAS no.    | EC no. |
| 1                             | metsulfuron-methyl  | 74223-64-6 | -      |
| BCF                           |                     | 2.0        |        |
| Species                       | Lepomis macrochirus |            |        |
| Method                        | OECD 305            |            |        |
| Source                        | Manufacturer        |            |        |

**12.4 Mobility in soil**

| Mobility in soil          |  |            |           |
|---------------------------|--|------------|-----------|
| No                        | Substance name   | CAS no.    | EC no.    |
| 1                         | fluroxypyr-meptyl  | 81406-37-3 | 279-752-9 |
| Evaluation/classification | Fluroxypyr-meptyl is immobile in soil, fluroxypyr acid is highly to very mobile. |            |           |

**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.



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No data available.

**12.8 Other information****Other information**

Do not allow to enter soil, waterways or waste water canal.

**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**

|  |   |
|--|---|
| Class                                    | 9   |
| Classification code                      | M6  |
| Packing group                            | III   |
| Hazard identification no.                | 90  |
| UN number                                | UN3082  |
| Proper shipping name                     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Technical name                           | fluroxypyr-meptyl<br>metsulfuron-methyl             |
| Tunnel restriction code                  | -   |
| Label                                    | 9   |
| Environmentally hazardous substance mark | Symbol "fish and tree"                              |

**14.2 Transport IMDG**

|                       |   |
|-----------------------|---|
| Class                 | 9   |
| Packing group         | III   |
| UN number             | UN3082  |
| Proper shipping name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Technical name        | fluroxypyr-meptyl<br>metsulfuron-methyl             |
| EmS                   | F-A, S-F  |
| Label                 | 9   |
| Marine pollutant mark | Symbol "fish and tree"                              |

**14.3 Transport ICAO-TI / IATA**

|  |   |
|--|---|
| Class                                    | 9   |
| Packing group                            | III   |
| UN number                                | UN3082  |
| Proper shipping name                     | Environmentally hazardous substance, liquid, n.o.s. |
| Technical name                           | fluroxypyr-meptyl<br>metsulfuron-methyl             |
| Label                                    | 9   |
| Environmentally hazardous substance mark | Symbol "fish and tree"                              |

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

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

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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.

**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**

|  |      |
|--|------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3 |
|--|------|

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

|  |    |
|--|----|
| This product is subject to Part I of Annex I, risk category: | E1 |
|--|----|

**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.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Creation of the safety data sheet**

UMCO GmbH

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

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This information is based on our present knowledge and experience.

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