

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**System 50****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**

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 - 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)**Acute Tox. 4; H302  
Aquatic Acute 1; H400  
Aquatic Chronic 1; H410  
Skin Sens. 1; H317  
STOT RE 2; H373**Classification information**

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

Classification and labelling is due to approval of the competent national authority.

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 pictograms**

GHS07



GHS08



GHS09

**Signal word**

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

Warning

**Hazardous component(s) to be indicated on label:**Flufenacet (ISO)  
1,2-benzisothiazol-3(2H)-one**Hazard statement(s)**

|      |   |
|------|---|
| H302 | Harmful if swallowed.   |
| H317 | May cause an allergic skin reaction.                              |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| 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)**

|           |  |
|-----------|--|
| P260      | Do not breathe fume.   |
| P264      | Wash hands thoroughly after handling.  |
| P270      | Do not eat, drink or smoke when using this product.  |
| P272      | Contaminated work clothing should not be allowed out of the workplace.   |
| P273      | Avoid release to the environment.  |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  |
| P302+P352 | IF ON SKIN: Wash with plenty of water.   |
| P314      | Get medical advice/attention if you feel unwell.   |
| P321      | Specific treatment (see additional first aid advice on this label).  |
| P330      | Rinse mouth.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.   |
| 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. |

**Supplemental label elements**

UFI: XV99-G09A-H00F-YKDC

**2.3 Other hazards**

PBT assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be vPvB.

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

Not applicable. The product is not a substance.

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

Flufenacet 500 g/l (SC)

**Hazardous ingredients**

| No | Substance name   |   | Additional information |     |
|----|--|---|------------------------|-----|
|    | CAS / EC / Index / REACH no                                | Classification (EC) 1272/2008 (CLP)   | Concentration          | %   |
| 1  | <b>Flufenacet (ISO)</b>                                    |   |                        |     |
|    | 142459-58-3<br>-<br>613-164-00-9<br>-                      | Acute Tox. 4*; H302<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>Skin Sens. 1; H317<br>STOT RE 2*; H373** | >= 25.00 - < 50.00     | wt% |
| 2  | <b>1,2-benzisothiazol-3(2H)-one</b>                        |   |                        |     |
|    | 2634-33-5<br>220-120-9<br>613-088-00-6<br>01-2120761540-60 | Acute Tox. 4*; H302<br>Aquatic Acute 1; H400<br>Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>Skin Sens. 1; H317       | < 0.10                 | wt% |
| 3  | <b>glycerol</b>  |   |                        |     |
|    | 56-81-5<br>200-289-5<br>-<br>01-2119471987-18              | -   | < 5.00                 | wt% |

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

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

(\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

| No | Note | Specific concentration limits  | M-factor (acute) | M-factor (chronic) |
|----|------|--------------------------------|------------------|--------------------|
| 1  | -    | -                              | M = 100          | -                  |
| 2  | -    | Skin Sens. 1; H317: C >= 0.05% | -                | -                  |

| No | Route, target organ, concrete effect |
|----|--------------------------------------|
| 1  | H373<br>dermal; liver; -             |

| Acute toxicity estimate (ATE) values |                      |        |            |
|--------------------------------------|----------------------|--------|------------|
| No                                   | oral                 | dermal | inhalative |
| 1                                    | 383 mg/kg bodyweight |        |            |

## 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. Contaminated work clothing should not be allowed out of the workplace. 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

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; 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)

### 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. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. 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 uncontrolled discharge into the subsoil / soil.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When collected, handle material as described under the section heading "Disposal considerations".

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB**6.4 Reference to other sections**

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

**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**

Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

**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. Keep from freezing. Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

**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****Occupational exposure limit values**

| No  | Substance name                            | CAS no. | EC no.            |
|---|---|---------|-------------------|
| 1   | glycerol                                  | 56-81-5 | 200-289-5         |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |         |                   |
| Glycerol mist   |   |         |                   |
|   | WEL long-term (8-hr TWA reference period) | 10      | 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**

In case of intensive contact, wear protective gloves (EN 374). 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 nitrile rubber

**Other**

Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

**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                      |

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

|  |                              |                       |               |
|--|------------------------------|-----------------------|---------------|
| <b>Form</b>  |                              |                       |               |
| liquid   |                              |                       |               |
| <b>Colour</b>  |                              |                       |               |
| whitish  |                              |                       |               |
| <b>Odour</b>   |                              |                       |               |
| vanilla  |                              |                       |               |
| <b>pH value</b>  |                              |                       |               |
| Value  | 5.8                          |                       |               |
| Concentration  | 1                            | %                     |               |
| Source   | Manufacturer                 |                       |               |
| <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  | >                            | 100                   | °C            |
| <b>Ignition temperature</b>                              |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Auto-ignition temperature</b>                         |                              |                       |               |
| Value  | >                            | 400                   | °C            |
| Comments   | Product is not selfigniting. |                       |               |
| <b>Oxidising properties</b>                              |                              |                       |               |
| not oxidizing  |                              |                       |               |
| <b>Explosive properties</b>                              |                              |                       |               |
| not explosive  |                              |                       |               |
| <b>Flammability</b>                                      |                              |                       |               |
| Not applicable   |                              |                       |               |
| <b>Lower explosion limit</b>                             |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Upper explosion limit</b>                             |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Vapour pressure</b>                                   |                              |                       |               |
| Value  | 9                            | * 10 <sup>-5</sup> Pa |               |
| Reference temperature                                    | 20                           | °C                    |               |
| Reference substance                                      | N-Isomer                     |                       |               |
| Source   | Manufacturer                 |                       |               |
| <b>Relative vapour density</b>                           |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Relative density</b>                                  |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Density</b>   |                              |                       |               |
| Value  | 1.1891                       | g/ml                  |               |
| Reference temperature                                    | 20                           | °C                    |               |
| <b>Solubility</b>  |                              |                       |               |
| No data available  |                              |                       |               |
| <b>Partition coefficient n-octanol/water (log value)</b> |                              |                       |               |
| <b>No</b>  | <b>Substance name</b>        | <b>CAS no.</b>        | <b>EC no.</b> |
| 1  | Flufenacet (ISO)             | 142459-58-3           | -             |
| log Pow  |                              | 3.2                   |               |
| Reference temperature                                    |                              | 20                    | °C            |
| Source   | Manufacturer                 |                       |               |
| <b>Kinematic viscosity</b>                               |                              |                       |               |
| Not applicable   |                              |                       |               |
| <b>Particle characteristics</b>                          |                              |                       |               |

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

No data available

**9.2 Other information****Other information**

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**

Dangerous reactions are not to be expected when handling product according to its intended use.

**10.4 Conditions to avoid**

Temperatures &gt; 40°C

**10.5 Incompatible materials**

None known.

**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  | System 50   |             |        |
| LD50                                     |   | 300 - 2000  | mg/kg  |
| Species                                  | rat   |             |        |
| Method                                   | OECD 423  |             |        |
| Source                                   | Manufacturer  |             |        |
| <b>Acute dermal toxicity</b>             |   |             |        |
| No                                       | Product Name  |             |        |
| 1  | System 50   |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |
| <b>Acute inhalational toxicity</b>       |   |             |        |
| No                                       | Product Name  |             |        |
| 1  | System 50   |             |        |
| State of aggregation                     | Dust/mist   |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |
| <b>Skin corrosion/irritation</b>         |   |             |        |
| No                                       | Product Name  |             |        |
| 1  | System 50   |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |
| <b>Serious eye damage/irritation</b>     |   |             |        |
| No                                       | Product Name  |             |        |
| 1  | System 50   |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |
| <b>Respiratory or skin sensitisation</b> |   |             |        |
| No data available                        |   |             |        |
| <b>Germ cell mutagenicity</b>            |   |             |        |
| No                                       | Substance name  | CAS no.     | EC no. |
| 1  | Flufenacet (ISO)  | 142459-58-3 | -      |
| Source                                   | Manufacturer  |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |
| <b>Reproduction toxicity</b>             |   |             |        |
| No                                       | Substance name  | CAS no.     | EC no. |
| 1  | Flufenacet (ISO)  | 142459-58-3 | -      |
| Source                                   | Manufacturer  |             |        |
| Evaluation/classification                | Based on available data, the classification criteria are not met. |             |        |

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

| <b>Carcinogenicity</b>          |                  |   |        |
|---------------------------------|------------------|---|--------|
| No                              | Substance name   | CAS no.   | EC no. |
| 1                               | Flufenacet (ISO) | 142459-58-3   | -      |
| Source                          |                  | Manufacturer  |        |
| 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                              | Product Name     |   |        |
| 1                               | System 50        |   |        |
| Source                          |                  | Manufacturer  |        |
| Effects                         |                  | May cause damage to organs through prolonged or repeated exposure |        |
| <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>      |                           |         |        |
|--------------------------------------|---------------------------|---------|--------|
| No data available                    |                           |         |        |
| <b>Toxicity to fish (chronic)</b>    |                           |         |        |
| No                                   | Product Name              |         |        |
| 1                                    | System 50                 |         |        |
| NOEC                                 |                           | 0.2     | mg/l   |
| Duration of exposure                 |                           | 97      | day(s) |
| Species                              | Oncorhynchus mykiss       |         |        |
| Source                               | Manufacturer              |         |        |
| <b>Toxicity to Daphnia (acute)</b>   |                           |         |        |
| No data available                    |                           |         |        |
| <b>Toxicity to Daphnia (chronic)</b> |                           |         |        |
| No                                   | Product Name              |         |        |
| 1                                    | System 50                 |         |        |
| NOEC                                 |                           | 3.26    | mg/l   |
| Duration of exposure                 |                           | 21      | day(s) |
| Species                              | Daphnia magna             |         |        |
| Source                               | Manufacturer              |         |        |
| <b>Toxicity to algae (acute)</b>     |                           |         |        |
| No                                   | Product Name              |         |        |
| 1                                    | System 50                 |         |        |
| ErC50                                |                           | 0.0045  | mg/l   |
| Duration of exposure                 |                           | 120     | h      |
| Species                              | Selenastrum capricornutum |         |        |
| Source                               | Manufacturer              |         |        |
| EbC50                                |                           | 0.00204 | mg/l   |
| Duration of exposure                 |                           | 72      | h      |
| Species                              | Selenastrum capricornutum |         |        |
| Source                               | Manufacturer              |         |        |
| <b>Toxicity to algae (chronic)</b>   |                           |         |        |
| No data available                    |                           |         |        |
| <b>Bacteria toxicity</b>             |                           |         |        |
| No data available                    |                           |         |        |

**12.2 Persistence and degradability**

| <b>Biodegradability</b> |                  |              |        |
|-------------------------|------------------|--------------|--------|
| No                      | Substance name   | CAS no.      | EC no. |
| 1                       | Flufenacet (ISO) | 142459-58-3  | -      |
| Source                  |                  | Manufacturer |        |

**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

|            |                           |
|------------|---------------------------|
| Evaluation | not readily biodegradable |
|------------|---------------------------|

**12.3 Bioaccumulative potential**

| Bioconcentration factor (BCF)                     |                  |              |        |
|---|------------------|--------------|--------|
| No  | Substance name   | CAS no.      | EC no. |
| 1   | Flufenacet (ISO) | 142459-58-3  | -      |
| BCF   |                  | 71           |        |
| Source  |                  | Manufacturer |        |
| Partition coefficient n-octanol/water (log value) |                  |              |        |
| No  | Substance name   | CAS no.      | EC no. |
| 1   | Flufenacet (ISO) | 142459-58-3  | -      |
| log Pow   |                  | 3.2          |        |
| Reference temperature                             |                  | 20           | °C     |
| Source  |                  | Manufacturer |        |

**12.4 Mobility in soil**

| Mobility in soil |                  |              |        |
|------------------|------------------|--------------|--------|
| No               | Substance name   | CAS no.      | EC no. |
| 1                | Flufenacet (ISO) | 142459-58-3  | -      |
| log Koc          |                  | 2.305        |        |
| Source           |                  | Manufacturer |        |

**12.5 Results of PBT and vPvB assessment**

| Results of PBT and vPvB assessment |  |
|------------------------------------|--|
| PBT assessment                     | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.  |
| vPvB assessment                    | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB. |

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

| Other adverse effects   |
|---|
| No other ecological effects are to be mentioned specifically. See the product label for additional instructions on environmental precautions when applying the product.<br>An environmental hazard cannot be ruled out in the event of unprofessional handling or disposal. |

**12.8 Other information**

| Other information  |
|--|
| Do not discharge product unmonitored into the environment. |

**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                           | Flufenacet (ISO)                                    |
| Tunnel restriction code                  | -   |
| Label                                    | 9   |
| Environmentally hazardous substance mark | Symbol "fish and tree"                              |

**14.2 Transport IMDG**

|       |   |
|-------|---|
| Class | 9 |
|-------|---|



**Trade name:** System 50**Product no.:** MAI 117 C0218 UK**Current version :** 3.0.9, issued: 25.07.2023**Replaced version:** 3.0.8, issued: 29.06.2023**Region:** GB

|                       |   |
|-----------------------|---|
| Packing group         | III   |
| UN number             | UN3082  |
| Proper shipping name  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Technical name        | Flufenacet (ISO)                                    |
| 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                           | Flufenacet (ISO)                                    |
| 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.

**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.

**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

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name               | CAS no.     | EC no.    | No |
|----|------------------------------|-------------|-----------|----|
| 1  | 1,2-benzisothiazol-3(2H)-one | 2634-33-5   | 220-120-9 | 75 |
| 2  | Flufenacet (ISO)             | 142459-58-3 | -         | 75 |

**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

**Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.

**Regulation (EC) No 1107/2009 concerning the placing of plant protection products on the market**

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 (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

**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.

---

**Trade name:** System 50

**Product no.:** MAI 117 C0218 UK

**Current version :** 3.0.9, issued: 25.07.2023

**Replaced version:** 3.0.8, issued: 29.06.2023

**Region:** GB

---

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)**

|      |                             |
|------|-----------------------------|
| H315 | Causes skin irritation.     |
| H318 | Causes serious eye damage.  |
| H400 | Very toxic to aquatic life. |

**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](mailto: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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 761619