

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 1/27/2017 Revision date: 2/13/2024 Supersedes version of: 4/21/2022 Version: 3.2

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

| 1.1. Product identifier  |   |
|--|---|
| Product form<br>Trade name<br>Product code<br>Type of product  | <ul> <li>Mixture</li> <li>Mainman</li> <li>IKI-220 500WG; IKI-220 50% WG; IBE-3894, C01828</li> <li>WG (Water dispersible granule)</li> </ul> |
| 1.2. Relevant identified uses of the substance   | e or mixture and uses advised against   |
| <ul> <li>1.2.1. Relevant identified uses</li> <li>Main use category</li> <li>Use of the substance/mixture</li> <li>1.2.2. Uses advised against</li> <li>No additional information available</li> </ul>                       | : Professional use<br>: Insecticide   |
| 1.3. Details of the supplier of the safety data  | sheet   |
| Certis Belchim B.V.,<br>Suite 5, 3 Riverside, Granta Park,<br>Great Abington Cambridgeshire, CB21 6AD.<br>United Kingdom<br>T +44 (0)1223 652500, F +44 (0)1223 891210<br>info.uk@certisbelchim.com, www.certisbelchim.co.uk |   |
| 1.4. Emergency telephone number  |   |
| Emergency number   | : +44 1235 239670<br>24 H/7 days  |
| SECTION 2: Hazards identification  |   |

# 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 Full text of H- and EUH-statements: see section 16 H319

## Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Causes serious eye irritation.

| Labelling according to Regulation (EC) | No. 1272/2008 [CLP]  |
|--|--|
| Hazard pictograms (CLP)                |  |
|  | GHS07  |
| Signal word (CLP)                      | : Warning  |
| Hazard statements (CLP)                | : H319 - Causes serious eye irritation.  |
| Precautionary statements (CLP)         | : P264 - Wash hands, forearms and face thoroughly after handling.                        |
|  | P280 - Wear protective gloves, protective clothing, eye protection, face protection.     |
|  | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove     |
|  | contact lenses, if present and easy to do. Continue rinsing.                             |
|  | P337+P313 - If eye irritation persists: Get medical advice/attention.                    |
| EUH-statements                         | : EUH208 - Contains Disodium Maleate (ISO) (371-47-1). May produce an allergic reaction. |

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

# 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT and/or vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

### Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %             | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP]   |
|--|--|---------------|---|
| Flonicamid   | CAS-No.: 158062-67-0<br>EC Index-No.: 616-216-00-9                       | ≥ 50 – ≤ 80   | Acute Tox. 4 (Oral), H302 (ATE=884 mg/kg bodyweight)  |
| Methylnaphtalenesulfonic acid/formaldehyde, copolymer, sodium salt | CAS-No.: 81065-51-2  | ≥ 1 – ≤ 5     | Eye Irrit. 2, H319<br>Aquatic Chronic 3, H412   |
| Docusate sodium  | CAS-No.: 577-11-7<br>EC-No.: 209-406-4<br>REACH-no: 01-2119491296-<br>29 | ≥1-≤5         | Skin Irrit. 2, H315<br>Eye Dam. 1, H318   |
| 2,5-Furandione, polymer with 2,4,4-trimethylpentene, sodium salt   | CAS-No.: 37199-81-8  | > 1 – ≤ 5     | Eye Irrit. 2, H319  |
| Isotridecanol, ethoxylated   | CAS-No.: 69011-36-5<br>EC-No.: 500-241-6                                 | ≥ 1 – ≤ 5     | Aquatic Chronic 3, H412   |
| Disodium maleate   | CAS-No.: 371-47-1<br>EC-No.: 206-738-1                                   | ≥ 0.1 – ≤ 0.5 | Acute Tox. 4 (Oral), H302 (ATE=500<br>mg/kg bodyweight)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335 |
| toluene  | CAS-No.: 108-88-3<br>EC-No.: 203-625-9<br>EC Index-No.: 601-021-00-3     | < 0.2         | Flam. Liq. 2, H225<br>Repr. 2, H361d<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Skin Irrit. 2, H315<br>STOT SE 3, H336                        |

Full text of H- and EUH-statements: see section 16

| SECTION 4: First aid measures                                     |  |
|---|--|
| 4.1. Description of first aid measures                            |  |
| First-aid measures general<br>First-aid measures after inhalation | <ul> <li>Consult a doctor/medical service if you feel unwell.</li> <li>Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical service.</li> </ul> |

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 First-aid measures after skin contact : Remove clothing before washing. Wash skin with mild soap and water. If case of redness or irritation, call a doctor. : Immediately rinse with plenty of water. Do not apply (chemical) neutralizing agents. Consult First-aid measures after eye contact an ophtalmologist if irritation persists. First-aid measures after ingestion : Rinse mouth out with water. Do not give an unconscious person anything to drink. Do not induce vomiting. Get immediate medical advice/attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Symptoms/effects after eye contact : Causes serious eye irritation.

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<br>Unsuitable extinguishing media | <ul><li>Water spray. Polyvalent foam. ABC-powder. Carbon dioxide.</li><li>None known.</li></ul>   |  |  |  |
| 5.2. Special hazards arising from the substance or mixture     |   |  |  |  |
| Hazardous decomposition products in case of fire               | : Toxic and corrosive vapours may be released. Hydrogen cyanide. Hydrofluoric Acid. Carbon monoxide. Carbon dioxide. Nitrogen oxides.                                     |  |  |  |
| 5.3. Advice for firefighters                                   |   |  |  |  |
| Firefighting instructions                                      | : Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray.   |  |  |  |
| Protection during firefighting                                 | : Gloves. Protective non-flammable clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus. Gas-tight suit. |  |  |  |

| SECTION 6: Accidental release                | se measures   |
|--|---|
| 6.1. Personal precautions, prote             | ctive equipment and emergency procedures  |
| General measures                             | : Avoid dust production.  |
| 6.1.1. For non-emergency personnel           |   |
| Protective equipment<br>Emergency procedures | <ul><li>Concerning personal protective equipment to use, see section 8.</li><li>Avoid contact with eyes. Do not breathe dust.</li></ul> |
| 6.1.2. For emergency responders              |   |
| Protective equipment                         | : Protective gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.                                       |

## **6.2. Environmental precautions**

Prevent soil and water pollution. Do not flush down sewers. Stop leak if safe to do so. Contain the spilled material by bunding. Knock down/dilute dust cloud with water spray.

| 6.3. Methods and material for containment    | t and cleaning up  |
|--|--|
| For containment                              | <ul> <li>Knock down/dilute dust cloud with water spray. Take up liquid spill into inert absorbent<br/>material. Sweep or shovel spills into appropriate container for disposal. Store in tightly<br/>closed, leak-proof containers.</li> </ul> |
| Methods for cleaning up<br>Other information | <ul> <li>Clean contaminated surfaces with an excess of water.</li> <li>Dispose of contaminated materials in accordance with current regulations. Wash clothing and equipment after handling.</li> </ul>  |

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## 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13.

| SECTION 7: Handling and stor  | age   |
|---|---|
| 7.1. Precautions for safe handling  |   |
| Precautions for safe handling<br>Hygiene measures                             | <ul> <li>Avoid dust formation. Do not discharge the waste into the drain.</li> <li>Handle in accordance with good industrial hygiene and safety practice. If on skin, take off contaminated clothing. Wash clothing and equipment after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Skin contact refer to section 4.1.</li> </ul> |
| 7.2. Conditions for safe storage, in  | ncluding any incompatibilities  |
| Storage conditions<br>Heat and ignition sources<br>Special rules on packaging | <ul><li>Keep the container hermetically sealed. Store at ambient temperature.</li><li>Protect from heat and direct sunlight. Keep away from ignition sources.</li><li>Store in original container.</li></ul>  |
| 7.3 Specific and use(s)   |   |

7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

| toluene (108-88-3)                                 |                                 |
|--|---------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                 |
| Local name   | Toluene                         |
| IOEL TWA   | 192 mg/m³                       |
|  | 50 ppm                          |
| IOEL STEL  | 384 mg/m <sup>3</sup>           |
|  | 100 ppm                         |
| Remark   | Skin                            |
| Regulatory reference                               | COMMISSION DIRECTIVE 2006/15/EC |

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

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#### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

### Eye protection:

Safety glasses. If dust are formed : Safety glasses with side shields

#### 8.2.2.2. Skin protection

Skin and body protection: protective clothing

## Hand protection:

Wear protective gloves. Breakthrough time : refer to the recommendations of the supplier. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

Dust production: dust mask with filter type P1

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

|   | and the second |
|---|--|
| Physical state                                  | : Solid  |
| Colour  | : brown.   |
| Appearance                                      | : Granulate.   |
| Odour   | : Faint odour of ammonia.  |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not available  |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not applicable   |
| Flammability                                    | : Not flammable  |
| Explosive properties                            | : Not explosive.   |
| Oxidising properties                            | : Non oxidizing.   |
| Explosive limits                                | : Not applicable   |
| Lower explosion limit                           | : Not applicable   |
| Upper explosion limit                           | : Not applicable   |
| Flash point                                     | : Not applicable   |
| Auto-ignition temperature                       | : Not self-igniting  |
| Decomposition temperature                       | : Not available  |
| рН  | : Not available  |
| pH solution                                     | : 8.3 (1%; 22 °C)  |
| Viscosity, kinematic                            | : Not applicable   |
| Viscosity, dynamic                              | : Not applicable   |
| Solubility                                      | : Not available.   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : 0.543 – 0.582 g/ml (Before - After compaction)   |
| Relative density                                | : Not applicable   |
| Relative vapour density at 20°C                 | Not applicable   |
| Particle size                                   | Not available  |
| Particle size distribution                      | : Not available  |
| Particle shape                                  | : Not available  |
| Particle aspect ratio                           | : Not available  |
| Particle aggregation state                      | : Not available  |

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| Particle agglomeration state   | : Not available |  |
|--------------------------------|-----------------|--|
| Particle specific surface area | : Not available |  |
| Particle dustiness             | : Not available |  |
|                                |                 |  |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not sustained combustibility

: Yes

# 9.2.2. Other safety characteristics

No additional information available

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## **10.2. Chemical stability**

The product is stable at normal handling and storage conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid** 

Avoid dust production.

**10.5. Incompatible materials** 

None to our knowledge.

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

| 11.1. Information on hazard classes as defi                                     | ned in Regulation (EC) No 1272/2008  |
|---|--|
| Acute toxicity (oral)<br>Acute toxicity (dermal)<br>Acute toxicity (inhalation) | <ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul> |
| Mainman   |  |
| LD50 oral rat   | > 2000 mg/kg bodyweight (OECD 423 method)  |
| LD50 dermal rat   | > 2000 mg/kg bodyweight (OECD 402 method)  |
| LC50 Inhalation - Rat   | > 5.36 mg/l  |
| Skin corrosion/irritation   | : Not classified   |
| Additional information  | : Not irritating to rabbits on cutaneous application<br>(OECD 404 method)          |
| Serious eye damage/irritation   | : Causes serious eye irritation.   |
| Additional information  | : Irritating to rabbits on ocular application<br>(OECD 405 method)                 |
| Respiratory or skin sensitisation   | : Not classified   |
| Additional information  | : Does not cause cutaneous sensitisation for guinea-pigs<br>(OECD 406 method)      |
| Germ cell mutagenicity  | : Not classified   |
| Carcinogenicity   | : Not classified   |

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| Flonicamid (158062-67-0)   |   |
|--|---|
| NOAEL (chronic, oral, animal/male, 2 years)                        | 7.32 mg/kg bw/day   |
| Reproductive toxicity :  | Not classified  |
| Flonicamid (158062-67-0)   |   |
| NOAEL (animal/male, F0/P)  | 18 mg/kg bodyweight (OECD 416 method)   |
| NOAEL (animal/male, F1)  | 30 mg/kg bodyweight (OECD 416 method)   |
| STOT-single exposure :   | Not classified (Based on available data, the classification criteria are not met) |
| Disodium maleate (371-47-1)  |   |
| STOT-single exposure   | May cause respiratory irritation.   |
| toluene (108-88-3)   |   |
| STOT-single exposure   | May cause drowsiness or dizziness.  |
| STOT-repeated exposure :   | Not classified (Based on available data, the classification criteria are not met) |
| Flonicamid (158062-67-0)   |   |
| NOAEL (subchronic, oral, animal/female, 90 days)                   | 60 mg/kg bodyweight/day (OECD 408 method)   |
| toluene (108-88-3)   |   |
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure.                |
| Aspiration hazard :  | Not classified (Technical impossibility to obtain the data)                       |
| Mainman  |   |
| Viscosity, kinematic   | Not applicable  |
| 11.2. Information on other hazards                                 |   |
| 11.2.1. Endocrine disrupting properties                            |   |
| Adverse health effects caused by endocrine : disrupting properties | The substance/mixture has no endocrine disrupting properties.                     |

## 11.2.2. Other information

No additional information available

| SECTION 12: Ecological information                         |   |
|--|---|
| 12.1. Toxicity   |   |
| Hazardous to the aquatic environment, short-term : (acute) | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.<br>Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)<br>Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met) |
| Mainman  |   |
| LC50 - Fish [1]  | > 100 mg/l (96H; Oncorhynchus mykiss)   |
| EC50 - Crustacea [1]                                       | > 100 mg/l ( 48H; Daphnia magna)  |
| ErC50 algae  | > 100 mg/l (72H; Pseudokirchneriella subcapitata)   |
| Flonicamid (158062-67-0)                                   |   |
| NOEC chronic fish  | 10 mg/l (OECD 210 method)   |
| NOEC chronic crustacea                                     | 3.1 mg/l (OECD 211 method)  |

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| Flonicamid (158062-67-0)   |  |  |
|--|--|--|
| NOEC chronic algae   | 46 mg/l (OECD 201 method)  |  |
| 12.2. Persistence and degradability  |  |  |
| Flonicamid (158062-67-0)   |  |  |
| Persistence and degradability  | Not readily biodegradable.   |  |
| Docusate sodium (577-11-7)   |  |  |
| Persistence and degradability  | Readily biodegradable.   |  |
| Isotridecanol, ethoxylated (69011-36-5)  |  |  |
| Persistence and degradability  | Readily biodegradable.   |  |
| Biodegradation   | > 60 % CO2 (28 days) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) ; >= 90 % Bismuth-<br>active substance (OECD 301E) / By analogy |  |
| 12.3. Bioaccumulative potential  |  |  |
| Flonicamid (158062-67-0)   |  |  |
| Partition coefficient n-octanol/water (Log Pow)  | -0.24 (20 °C)  |  |
| Bioaccumulative potential  | Not potentially bioaccumulable.  |  |
| Isotridecanol, ethoxylated (69011-36-5)  |  |  |
| Bioaccumulative potential  | Negligible.  |  |
| 12.4. Mobility in soil   |  |  |
| Flonicamid (158062-67-0)   |  |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) 0.77  |  |  |
| 12.5. Results of PBT and vPvB assessment   |  |  |
| Mainman  |  |  |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII                        |  |  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII                       |  |  |
| 12.6. Endocrine disrupting properties  |  |  |
| Adverse effects on the environment caused by : The substance/mixture has no endocrine disrupting properties. |  |  |
| 12.7. Other adverse effects  |  |  |
| No additional information available  |  |  |
| SECTION 13: Disposal considerations  |  |  |

| 13.1. Waste treatment methods              |   |
|--|---|
| Waste treatment methods                    | : Do not dispose of with domestic waste.  |
| Product/Packaging disposal recommendations | : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. |
|  | Dispose of in accordance with relevant local regulations.                                   |
| Ecological information                     | : Do not discharge into drains or rivers.   |
|  |   |

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|--|---|--|
| European List of Waste (LoW, EC 2000/532)  | : 07 04 99 - wastes not otherwise specified   |  |
|  | 15 01 02 - plastic packaging  |  |
| HP Code  | : HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal<br>administration, or inhalation exposure. |  |
|  | HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.           |  |

# **SECTION 14:** Transport information

| ADR                          | IMDG          | ΙΑΤΑ          | ADN                                   | RID           |  |
|------------------------------|---------------|---------------|---------------------------------------|---------------|--|
| 14.1. UN number or ID number |               |               |                                       |               |  |
| Not regulated                | Not regulated | Not regulated | Not regulated                         | Not regulated |  |
| 4.2. UN proper shippir       | ng name       |               |                                       |               |  |
| Not regulated                | Not regulated | Not regulated | Not regulated                         | Not regulated |  |
| 4.3. Transport hazard        | class(es)     |               |                                       |               |  |
| Not regulated                | Not regulated | Not regulated | Not regulated                         | Not regulated |  |
| 14.4. Packing group          |               |               |                                       |               |  |
| Not regulated                | Not regulated | Not regulated | Not regulated                         | Not regulated |  |
| 4.5. Environmental ha        | zards         |               | · · · · · · · · · · · · · · · · · · · |               |  |
| Not regulated                | Not regulated | Not regulated | Not regulated                         | Not regulated |  |

14.6. Special precautions for user

## **Overland transport**

Not regulated

#### Transport by sea Not regulated

Air transport

Not regulated

Inland waterway transport Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

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

### **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

## **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

| Name    | CN<br>designation | CAS-No.  | CN code    | Category   | Threshold | Annex   |
|---------|-------------------|----------|------------|------------|-----------|---------|
| Toluene |                   | 108-88-3 | 2902 30 00 | Category 3 |           | Annex I |

**15.2. Chemical safety assessment** 

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | Supersedes   | Modified |          |
|                       | Revision date  | Modified |          |
| 1.1                   | Product code   | Modified |          |
| 1.4                   | Emergency procedures   | Modified |          |
| 11.2.                 | Adverse health effects caused by endocrine disrupting properties             | Added    |          |
| 12.6                  | Adverse effects on the environment caused by endocrine disrupting properties | Added    |          |

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| РВТ                         | Persistent Bioaccumulative Toxic  |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| EC50                        | Median effective concentration  |
| NOEC                        | No-Observed Effect Concentration  |
| IMDG                        | International Maritime Dangerous Goods  |

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| Abbreviations and ac | ronyms:   |
|----------------------|---|
| ΙΑΤΑ                 | International Air Transport Association   |
| ADN                  | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| RID                  | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| ATE                  | Acute Toxicity Estimate   |
| BCF                  | Bioconcentration factor   |
| BLV                  | Biological limit value  |
| BOD                  | Biochemical oxygen demand (BOD)   |
| COD                  | Chemical oxygen demand (COD)  |
| DMEL                 | Derived Minimal Effect level  |
| DNEL                 | Derived-No Effect Level   |
| EC-No.               | European Community number   |
| EN                   | European Standard   |
| IARC                 | International Agency for Research on Cancer   |
| LOAEL                | Lowest Observed Adverse Effect Level  |
| NOAEC                | No-Observed Adverse Effect Concentration  |
| NOAEL                | No-Observed Adverse Effect Level  |
| OECD                 | Organisation for Economic Co-operation and Development  |
| OEL                  | Occupational Exposure Limit   |
| PNEC                 | Predicted No-Effect Concentration   |
| SDS                  | Safety Data Sheet   |
| STP                  | Sewage treatment plant  |
| ThOD                 | Theoretical oxygen demand (ThOD)  |
| TLM                  | Median Tolerance Limit  |
| VOC                  | Volatile Organic Compounds  |
| CAS-No.              | Chemical Abstract Service number  |
| N.O.S.               | Not Otherwise Specified   |
| ED                   | Endocrine disrupting properties   |

Data sources

: SDS of suppliers. ECHA (European Chemicals Agency).

| Full text of H- and EUH-statements: |   |  |
|-------------------------------------|---|--|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4   |  |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3                         |  |
| Asp. Tox. 1                         | Aspiration hazard, Category 1   |  |
| EUH210                              | Safety data sheet available on request.   |  |
| EUH401                              | To avoid risks to human health and the environment, comply with the instructions for use. |  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |  |
| Flam. Liq. 2                        | Flammable liquids, Category 2   |  |

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Full text of H- and | I EUH-statements:  |  |  |
|---------------------|--|--|--|
| H225                | Highly flammable liquid and vapour.  |  |  |
| H302                | Harmful if swallowed.  |  |  |
| H304                | May be fatal if swallowed and enters airways.  |  |  |
| H315                | Causes skin irritation.  |  |  |
| H317                | May cause an allergic skin reaction.   |  |  |
| H318                | Causes serious eye damage.   |  |  |
| H319                | Causes serious eye irritation.   |  |  |
| H335                | May cause respiratory irritation.  |  |  |
| H336                | May cause drowsiness or dizziness.   |  |  |
| H361d               | Suspected of damaging the unborn child.  |  |  |
| H373                | May cause damage to organs through prolonged or repeated exposure.                         |  |  |
| H412                | Harmful to aquatic life with long lasting effects.   |  |  |
| Repr. 2             | Reproductive toxicity, Category 2  |  |  |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2  |  |  |
| Skin Sens. 1        | Skin sensitisation, Category 1   |  |  |
| STOT RE 2           | Specific target organ toxicity – Repeated exposure, Category 2                             |  |  |
| STOT SE 3           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |  |  |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |  |  |
|---|------|--|--|
| Eye Irrit. 2  | H319 |  |  |

## The classification complies with

: ATP 8

Safety Data Sheet (SDS), EU Certis Belchim

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.