

| Version | Revision Date: | SDS Number: | Date of last issue: 06.09.2024  |
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# SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name

: Floranid® Twin Eagle K 12-0-24

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- : Fertiliser stance/Mixture

### 1.3 Details of the supplier of the safety data sheet

| Company  | : | COMPO EXPERT GmbH<br>Krögerweg 10<br>D-48155 Münster |
|--|---|--|
| Telephone  | : | +49 (0) 251 29 79 81 – 000                           |
| Telefax  | : | +49 (0) 251 29 79 81 - 111                           |
| E-mail address of person responsible for the SDS | : | info@compo-expert.com                                |

## 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h Telephone:+49 (0) 6132 - 84463 Schweiz/Suisse/Svizerra: Tox Info Suisse Telephone:145

# **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

## **Additional Labelling**

EUH210 Safety data sheet available on request.



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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

#### 3.2 Mixtures

Chemical nature : Inorganic fertiliser

#### Components

| Chemical name               | CAS-No.             | Classification       | Concentration |
|-----------------------------|---------------------|----------------------|---------------|
|                             | EC-No.              |                      | (% w/w)       |
|                             | Index-No.           |                      |               |
|                             | Registration number |                      |               |
| Ferrous sulfate monohydrate | 17375-41-6          | Acute Tox. 4; H302   | >= 1 - < 10   |
|                             | 231-753-5           | Skin Irrit. 2; H315  |               |
|                             | 026-003-00-7        | Eye Irrit. 2; H319   |               |
|                             | 01-2119513203-57-   |                      |               |
|                             | XXXX                | Acute toxicity esti- |               |
|                             |                     | mate                 |               |
|                             |                     | Acute oral toxicity: |               |
|                             |                     | 300,03 mg/kg         |               |
| ammonium nitrate            | 6484-52-2           | Ox. Sol. 3; H272     | >= 1 - < 10   |
|                             | 229-347-8           | Eye Irrit. 2; H319   |               |
|                             | 01-2119490981-27-   |                      |               |
|                             | 0050                |                      |               |

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

| General advice             | : | Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended. |
|----------------------------|---|--|
| Protection of first-aiders | : | First Aid responders should pay attention to self-protection and use the recommended protective clothing   |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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|------------------------|---------------------------|-------------------------------|--|--|--|
|                        |                           | -                             | r exposure exists refer to Section 8 for specific tective equipment.                                   |  |  |
| lf inha                | If inhaled                |                               | If breathed in, move person into fresh air.<br>If symptoms persist, call a physician.                  |  |  |
| In cas                 | In case of skin contact   |                               | n soap and water.  |  |  |
| In case of eye contact |                           | and consult a                 | ghly with plenty of water for at least 15 minutes<br>a physician.<br>n persists, consult a specialist. |  |  |
| lf swa                 | allowed                   | : Clean mouth<br>Obtain medic | with water and drink afterwards plenty of water.   |  |  |
| 4.2 Most i             | mportant symptoms         | and effects, both a           | acute and delayed  |  |  |
| Symp                   | otoms                     | : Ingestion ma<br>Methaemogl  | y provoke the following symptoms:<br>obinemia  |  |  |

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

# **SECTION 5: Firefighting measures**

| 5.1 Extingu         | uishing media          |     |   |
|---------------------|------------------------|-----|---|
| Suitabl             | le extinguishing media | :   | Water<br>Dry chemical<br>Water mist<br>Use extinguishing measures that are appropriate to local cir-<br>cumstances and the surrounding environment.           |
| Unsuita<br>media    | able extinguishing     | :   | High volume water jet<br>Carbon dioxide (CO2)<br>Foam<br>Sand   |
| 5.2 Special         | hazards arising from   | the | e substance or mixture  |
| Specifi<br>fighting | •                      | :   | Thermal decomposition can lead to release of irritating gases<br>and vapours.<br>Do not allow run-off from fire fighting to enter drains or water<br>courses. |
| Hazaro<br>ucts      | dous combustion prod-  | :   | Nitrogen oxides (NOx)<br>Carbon monoxide<br>Carbon oxides<br>Oxides of phosphorus<br>Sulphur oxides   |



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|---|------------------------------|---|--|--|
| 5.3 Adv                                       | rice for firefighters        |   |  |  |
| Special protective equipment for firefighters |                              | : | Wear self-contain essary.              | ed breathing apparatus for firefighting if nec-  |
| Further information                           |                              | : | must not be disch<br>Fire residues and | ated fire extinguishing water separately. This<br>arged into drains.<br>contaminated fire extinguishing water must<br>accordance with local regulations.<br>does not burn. |

# **SECTION 6:** Accidental release measures

| 6.1 Personal precautions, protective equipment and emergency | / procedures |
|--|--------------|
|--|--------------|

| Personal precautions | <ul> <li>Use personal protective equipment.<br/>Avoid contact with skin, eyes and clothing.<br/>Wash contaminated clothing before re-use.<br/>Avoid breathing dust.<br/>For personal protection see section 8.<br/>For disposal considerations see section 13.</li> </ul> |
|----------------------|---|
|----------------------|---|

## 6.2 Environmental precautions

| Environmental precautions | : | Do not flush into surface water or sanitary sewer system.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform<br>respective authorities. |
|---------------------------|---|--|
|---------------------------|---|--|

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

## 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

# **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

| Advice o | on safe handling                   | : | Avoid contact with skin and eyes.<br>Wear personal protective equipment.<br>Keep away from combustible material.<br>Keep away from heat and sources of ignition.<br>Smoking, eating and drinking should be prohibited in the ap-<br>plication area.<br>Dispose of rinse water in accordance with local and national<br>regulations. |
|----------|------------------------------------|---|---|
|          | on protection against<br>explosion | : | Provide appropriate exhaust ventilation at places where dust<br>is formed. The product should only be used in areas from<br>which all naked lights and other sources of ignition have been  |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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|             |                |                                    |     | excluded. Electric appropriate stanc | cal equipment should be protected to the lard.  |
|             | Hygien         | e measures                         | :   |                                      | food, drink and animal feedingstuffs. Wash<br>ing, drinking, or smoking. Wash hands before<br>end of workday. |
|             | Dust e         | xplosion class                     | :   | No data available                    |   |
| 7.2 (       | Conditi        | ons for safe storage,              | inc | luding any incom                     | patibilities  |
|             |                | r information on stor-<br>nditions | :   |                                      | sources of ignition - No smoking. Keep away<br>ht. Protect from moisture. Protect from con-                   |
|             | Advice         | on common storage                  | :   | Keep away from<br>Keep away from     |   |
|             | Storag         | e class (TRGS 510)                 | :   | 13                                   |   |
|             | Furthe age sta | r information on stor-<br>ability  | :   | Protect from frost                   | , heat and sunlight.  |
| 7.3 \$      | Specifi        | c end use(s)                       |     |                                      |   |
|             | Specifi        | c use(s)                           | :   | Not relevant                         |   |

# **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

## **Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

|                                 | • •       |                 |                               |             |
|---------------------------------|-----------|-----------------|-------------------------------|-------------|
| Substance name                  | End Use   | Exposure routes | Potential health ef-<br>fects | Value       |
| N,N''-<br>(isobutylidene)diurea | Workers   | Skin contact    | Long-term systemic effects    | 37,5 mg/kg  |
|                                 | Workers   | Inhalation      | Long-term systemic<br>effects | 66,12 mg/m3 |
|                                 | Consumers | Skin contact    | Long-term systemic<br>effects | 18,75 mg/kg |
|                                 | Consumers | Inhalation      | Long-term systemic<br>effects | 16,31 mg/m3 |
|                                 | Consumers | Ingestion       | Long-term systemic<br>effects | 9,37 mg/kg  |
| 6-methyl-2-                     | Consumers | Oral            | Long-term systemic            | 5,93 mg/kg  |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878





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|                | perhydropyrimidin-<br>urea   |                  |                            | effects   |                      |
|                |                              | Consumers        | Dermal                     | Long-term systemic<br>effects                           | 5,93 mg/kg           |
|                |                              | Workers          | Inhalation                 | Long-term systemic<br>effects                           | 117,11 mg/m3         |
|                |                              | Consumers        | Inhalation                 | Long-term systemic<br>effects                           | 20,63 mg/m3          |
|                |                              | Workers          | Dermal                     | Long-term systemic<br>effects                           | 166,06 mg/kg         |
| amr            | monium sulphate              | Workers          | Skin contact               | Long-term systemic<br>effects                           | 42,667 mg/kg         |
|                |                              | Workers          | Inhalation                 | Long-term systemic<br>effects                           | 11,167 mg/m3         |
|                |                              | Consumer use     | Oral                       | Long-term systemic<br>effects                           | 6,4 mg/kg            |
|                |                              | Consumer use     | Skin contact               | Long-term systemic<br>effects                           | 12,8 mg/kg           |
|                |                              | Consumer use     | Inhalation                 | Long-term systemic<br>effects                           | 1,667 mg/kg          |
| amr            | monium nitrate               | Workers          | Inhalation                 | Long-term systemic<br>effects                           | 36 mg/m3             |
|                |                              | Workers          | Skin contact               | Long-term systemic<br>effects                           | 5,12 mg/kg<br>bw/day |
|                |                              | Consumers        | Ingestion                  | Long-term systemic<br>effects                           | 2,56 mg/kg<br>bw/day |
|                |                              | Consumers        | Inhalation                 | Long-term systemic<br>effects                           | 8,9 mg/m3            |
|                |                              | Consumers        | Skin contact,<br>Ingestion | Long-term systemic<br>effects                           | 2,56 mg/kg<br>bw/day |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name             | Environmental Compartment                 | Value       |
|----------------------------|---|-------------|
| N,N"-(isobutylidene)diurea | Fresh water                               | 0,5 mg/l    |
|                            | Marine water                              | 0,05 mg/l   |
|                            | Fresh water sediment                      | 1,76 mg/l   |
|                            | Marine sediment                           | 0,176 mg/l  |
|                            | Soil                                      | 10,7 mg/l   |
|                            | Behaviour in waste water treatment plants | 640 mg/l    |
| ammonium sulphate          | Fresh water                               | 0,312 mg/l  |
|                            | Marine water                              | 0,0312 mg/l |
|                            | Intermittent use/release                  | 0,53 mg/l   |
|                            | Soil                                      | 62,6 mg/kg  |
|                            |   | 16,12 mg/l  |
|                            | Fresh water                               | 0,063 mg/kg |
| ammonium nitrate           | Sewage treatment plant                    | 18 mg/l     |

# 8.2 Exposure controls

## Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166



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| Ма             | protection<br>tterial<br>ective | : | Gloves<br>Equipment should | d conform to EN 374  |
| Re             | marks                           | : | •                          | a mixture of several substances, the dura-<br>materials cannot be calculated in advance<br>ted before use. |
| Skin a         | and body protection             | : | Long sleeved clot          | hing   |
| Respi          | ratory protection               | : | approved filter.           | t or aerosol formation use respirator with an<br>conform to EN 14387                                       |
| Filt           | er type                         | : | Filter type P              |  |
| Protec         | ctive measures                  | : | practice.                  | ance with good industrial hygiene and safety ed clothing before re-use.                                    |

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

## 9.1 Information on basic physical and chemical properties

| Physical state                                      | : | solid          |
|---|---|----------------|
| Colour  | : | beige          |
| Odour   | : | very faint     |
| Melting point/range                                 | : | not determined |
| Boiling point/boiling range                         | : | not determined |
| Flammability  | : | Will not burn  |
| Upper explosion limit / Upper<br>flammability limit | : | Not applicable |
| Lower explosion limit / Lower<br>flammability limit | : | Not applicable |

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|-------------|---------------------|---|---|---|---|
|             | Flash p             | oint                                      | : | Not applicable                          |   |
|             | Auto-ig             | nition temperature                        | : | No data available                       | )   |
|             | Decom               | position temperature                      | : | > 130 °C                                |   |
|             | рН                  |   | : | 6 - 7 (20 °C)<br>Concentration: 1       | 00 g/l  |
|             | Solubili<br>Wat     | ty(ies)<br>er solubility                  | : | soluble                                 |   |
|             | Partitio<br>octanol | n coefficient: n-<br>/water               | : | Not applicable                          |   |
|             | Bulk de             | nsity                                     | : | 850 - 1.050 kg/m                        | 3   |
|             |                     | characteristics<br>icle Size Distribution | : | D50 = 0,9 mm ±<br>Measurement teo<br>od | 0,3 mm<br>chnique: Optoelectronic measurement meth-               |
| 92          | Other in            | formation                                 |   |   |   |
| 0.2         |                     | ng properties                             | : | The substance o                         | r mixture is not classified as oxidizing.                         |
|             | Self-igr            | ition                                     | : | not auto-flammal                        | ble   |
|             | Minimu<br>centrati  | m explosible dust con-<br>on              | : | No data available                       | 3   |
|             | Dust ex             | plosion class                             | : | No data available                       | )   |

# SECTION 10: Stability and reactivity

# 10.1 Reactivity

No dangerous reaction known under conditions of normal use.



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|                     |                  | cal stability<br>under normal condition | ns.   |  |   |  |  |
| 10.3 Po             | ossib            | ility of hazardous re                   | actio | ons  |   |  |  |
| Hazardous reactions |                  | ous reactions                           | :     | None reasonably foreseeable.<br>Heating can release hazardous gases. |   |  |  |
| 10.4 Co             | onditi           | ions to avoid                           |       |  |   |  |  |
| Co                  | onditic          | ons to avoid                            | :     | Hot surface(s)<br>Direct sources o                                   | f heat.   |  |  |
| 10.5 In             | ncomp            | patible materials                       |       |  |   |  |  |
|                     | -                | ls to avoid                             | :     | Strong bases<br>Organic material<br>Powdered metal                   |   |  |  |
| 10.6 Ha             | azard            | ous decomposition                       | prod  | ucts   |   |  |  |
|                     | azardo<br>roduct | ous decomposition<br>s                  | :     | Nitrogen oxides<br>Oxides of phosp<br>Sulphur oxides<br>ammonia      |   |  |  |

# **SECTION 11: Toxicological information**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute toxicity                  |          |  |
|---------------------------------|----------|--|
| Based on available data,        | the clas | sification criteria are not met.                                     |
| Product:<br>Acute oral toxicity | :        | Acute toxicity estimate: > 2.000 mg/kg<br>Method: Calculation method |

## **Components:**

| Ferrous sulfate monohydrate: |  |
|------------------------------|--|
| Acute oral toxicity :        | LD50: > 300 - < 2.000 mg/kg<br>Assessment: Harmful if swallowed.           |
| Acute inhalation toxicity :  | Assessment: The substance or mixture has no acute inhala-<br>tion toxicity |
| Acute dermal toxicity :      | Assessment: The substance or mixture has no acute dermal toxicity          |
| ammonium nitrate:            |  |
| Acute oral toxicity :        | Assessment: The substance or mixture has no acute oral tox-<br>icity       |

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| Acute          | inhalation toxicity   | :        | Assessment: T tion toxicity                         | he substance or mixture has no acute inhala-                      |
| Acute          | dermal toxicity   | :        | Assessment: T<br>toxicity                           | he substance or mixture has no acute dermal                       |
| Based          | <b>corrosion/irritation</b><br>d on available data, th<br><u>conents:</u> | ne class | ification criteria                                  | are not met.  |
|                |   |          |   |   |
|                | us sulfate monohyd<br>ssment  | irate:   | Irritating to skir                                  | ٦.  |
|                | onium nitrate:<br>ssment  | :        | No skin irritatio                                   | n   |
|                | <b>us eye damage/eye</b><br>d on available data, th                       |          |   | are not met.  |
| Comp           | oonents:  |          |   |   |
|                | us sulfate monohyd<br>ssment  | rate:    | Irritating to eye                                   | IS.   |
| Speci<br>Expos | sure time<br>ssment   | ::       | Rabbit<br>24 h<br>Irritating to eye<br>OECD Test Gu |   |
| Respi          | iratory or skin sensi   | tisatio  | n   |   |
| Skin s         | sensitisation   |          |   |   |
| Based          | d on available data, th   | ne class | ification criteria                                  | are not met.  |
| •              | <b>iratory sensitisation</b><br>d on available data, th                   |          | ification criteria                                  | are not met.  |
| <u>Comp</u>    | oonents:  |          |   |   |
| Ferro          | us sulfate monohyd  | rate:    |   |   |
| Δοςρο          | ssment  | :        | Does not cause                                      | e skin sensitisation.   |
| A3303          |   |          |   |   |
|                | ssment  | :        | Does not cause                                      | e respiratory sensitisation.                                      |
| Asses<br>ammo  |   | :        |   | e respiratory sensitisation.<br>e skin sensitisation.             |

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|-----------------------------|---|---------|---------------------------------|---|
| Asse                        | ssment  | :       | Does not caus                   | e respiratory sensitisation.                                      |
| Base                        | <b>cell mutagenicity</b><br>d on available data, the  | e class | sification criteria             | are not met.  |
| Com                         | ponents:  |         |                                 |   |
|                             | ous sulfate monohydi<br>cell mutagenicity- As-<br>nent  |         | Weight of evid cell mutagen.    | ence does not support classification as a germ                    |
| amm                         | onium nitrate:  |         |                                 |   |
| Geno                        | toxicity in vitro   | :       | Method: OECI<br>Result: negativ | D Test Guideline 471<br>/e  |
| Germ<br>sessr               | n cell mutagenicity- As-<br>ment  | • :     | Weight of evid cell mutagen.    | ence does not support classification as a germ                    |
| Base<br><u>Com</u><br>Ferro | i <b>nogenicity</b><br>d on available data, the<br>ponents:<br>ous sulfate monohydi<br>nogenicity - Assess- | rate:   |                                 | a are not met.<br>e as a human carcinogen.                        |
| amm                         | onium nitrate:  |         |                                 |   |
| Carci<br>ment               | nogenicity - Assess-  | :       | Not classifiable                | e as a human carcinogen.  |
| Base                        | oductive toxicity<br>d on available data, the<br>ponents:   | e class | sification criteria             | are not met.  |
| Ferro                       | ous sulfate monohydi  | rate:   |                                 |   |
|                             | oductive toxicity - As-   |         | No toxicity to r                | eproduction   |
|                             |   |         | No effects on                   | or via lactation  |
| amm                         | onium nitrate:  |         |                                 |   |
|                             | oductive toxicity - As-   | :       | No toxicity to r                | eproduction   |



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|--|--|---|-------------------------------------|---|---|
|  | No effects on or via lactation   |   |                                     |   |   |
|  | <b>STOT - single exposure</b><br>Based on available data, the classification criteria are not met.<br><u>Components:</u> |   |                                     |   |   |
|  | <b>Ferrou</b><br>Assess  | a <b>s sulfate monohydra</b> t<br>sment | te:<br>:                            | The substance or organ toxicant, sin                                | mixture is not classified as specific target ngle exposure.       |
|  | ammo<br>Assess   | nium nitrate:<br>sment                  | :                                   | The substance or organ toxicant, sin                                | mixture is not classified as specific target ngle exposure.       |
| <b>STOT - repeated exposure</b><br>Based on available data, the classification criteria are not met.<br><u>Components:</u> |  |   |                                     | e not met.  |   |
|  | Ferrous sulfate monohydrate:<br>Assessment : Th  |   | The substance or organ toxicant, re | mixture is not classified as specific target peated exposure.       |   |
|  | <b>ammo</b><br>Assess  | <b>nium nitrate:</b><br>sment           | :                                   | The substance or organ toxicant, re                                 | mixture is not classified as specific target peated exposure.     |
|  | Repea  | ted dose toxicity                       |                                     |   |   |
|  | ammo<br>Specie<br>NOAEI<br>Applica   |   | : : :                               | Rat<br>> 1.500 mg/kg<br>Oral<br>28 d                                |   |
|  |  | _<br>ation Route<br>ure time            | :                                   | Rat<br>= 256 mg/kg<br>Oral<br>52 w<br>OECD Test Guide               | eline 453   |
|  |  | _<br>ation Route<br>ure time            |                                     | Rat<br>>= 185 mg/kg<br>inhalation (dust/m<br>2 w<br>OECD Test Guide |   |



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## Aspiration toxicity

Based on available data, the classification criteria are not met.

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### Components:

## Ferrous sulfate monohydrate:

No aspiration toxicity classification

#### ammonium nitrate:

No aspiration toxicity classification

### **11.2 Information on other hazards**

### Endocrine disrupting properties

#### Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# **SECTION 12: Ecological information**

### 12.1 Toxicity

Components:

| <u>components.</u>                                  |   |  |  |  |  |  |
|---|---|--|--|--|--|--|
| ammonium nitrate:                                   |   |  |  |  |  |  |
| Toxicity to fish                                    | : | LC50 (Fish): > 100 mg/l<br>Exposure time: 96 h   |  |  |  |  |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia (water flea)): 490 mg/l<br>Exposure time: 48 h                                 |  |  |  |  |
| Toxicity to algae/aquatic plants                    | : | ErC50 (diatoms): 1.700 mg/l<br>Exposure time: 10 h   |  |  |  |  |
| Toxicity to microorganisms                          | : | EC50 (activated sludge): 1.000 mg/l<br>Exposure time: 3 h<br>Method: OECD Test Guideline 209 |  |  |  |  |

## 12.2 Persistence and degradability

# Components:

| ammonium nitrate: |   |  |
|-------------------|---|--|
| Biodegradability  | : | Remarks: The methods for determining the biological degra- |



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|------------------|---------------------------------------|---------------------------------------|---|--|--|--|
|                  |                                       | dability are                          | not applicable to inorganic substances.   |  |  |  |
| 12.3 Bioa        | ccumulative potential                 |                                       |   |  |  |  |
| <u>Com</u>       | ponents:                              |                                       |   |  |  |  |
| amm              | onium nitrate:                        |                                       |   |  |  |  |
| Bioa             | ccumulation                           | : Remarks: I                          | Bioaccumulation is unlikely.  |  |  |  |
|                  | tion coefficient: n-<br>nol/water     | : log Pow: -3                         | 3,1   |  |  |  |
|                  | <b>ility in soil</b><br>ata available |                                       |   |  |  |  |
| 12.5 Res         | ults of PBT and vPvB                  | assessment                            |   |  |  |  |
| Prod             | luct:                                 |                                       |   |  |  |  |
|                  | Assessment :                          |                                       | This substance/mixture contains no components considered<br>to be either persistent, bioaccumulative and toxic (PBT), or<br>very persistent and very bioaccumulative (vPvB) at levels of<br>0.1% or higher.             |  |  |  |
| 12.6 End         | ocrine disrupting prop                | oerties                               |   |  |  |  |
| Prod             | luct:                                 |                                       |   |  |  |  |
| Assessment       |                                       | ered to hav<br>REACH Ar<br>(EU) 2017/ | nce/mixture does not contain components consid-<br>ve endocrine disrupting properties according to<br>ticle 57(f) or Commission Delegated regulation<br>2100 or Commission Regulation (EU) 2018/605 at<br>1% or higher. |  |  |  |
|                  | er adverse effects<br>ata available   |                                       |   |  |  |  |
| SECTIO           | N 13: Disposal cons                   | iderations                            |   |  |  |  |
| 10 4 \4/         | te treatment methods                  |                                       |   |  |  |  |
| 13.1 was<br>Prod |                                       | Dispose of<br>Waste cod               | h into surface water or sanitary sewer system.<br>in accordance with local regulations.<br>es should be assigned by the user based on the<br>for which the product was used.  |  |  |  |
| Cont             | aminated packaging                    | : Empty rem                           | aining contents.  |  |  |  |

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.



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# **SECTION 14: Transport information**

MHB

IMSBC Group

| 14.1 UN number or ID number  |     |                                   |  |  |  |
|--|-----|-----------------------------------|--|--|--|
| ADN  | :   | Not regulated as a dangerous good |  |  |  |
| ADR  | :   | Not regulated as a dangerous good |  |  |  |
| RID  | :   | Not regulated as a dangerous good |  |  |  |
| IMDG   | :   | Not regulated as a dangerous good |  |  |  |
| IATA_P   | :   | Not regulated as a dangerous good |  |  |  |
| 14.2 UN proper shipping name   |     |                                   |  |  |  |
| ADN  | :   | Not regulated as a dangerous good |  |  |  |
| ADR  | :   | Not regulated as a dangerous good |  |  |  |
| RID  | :   | Not regulated as a dangerous good |  |  |  |
| IMDG   | :   | Not regulated as a dangerous good |  |  |  |
| IATA_P   | :   | Not regulated as a dangerous good |  |  |  |
| 14.3 Transport hazard class(es)  |     |                                   |  |  |  |
| ADN  | :   | Not regulated as a dangerous good |  |  |  |
| ADR  | :   | Not regulated as a dangerous good |  |  |  |
| RID  | :   | Not regulated as a dangerous good |  |  |  |
| IMDG   | :   | Not regulated as a dangerous good |  |  |  |
| IATA_P   | :   | Not regulated as a dangerous good |  |  |  |
| 14.4 Packing group   |     |                                   |  |  |  |
| ADN  | :   | Not regulated as a dangerous good |  |  |  |
| ADR  | :   | Not regulated as a dangerous good |  |  |  |
| RID  | :   | Not regulated as a dangerous good |  |  |  |
| IMDG   | :   | Not regulated as a dangerous good |  |  |  |
| IATA (Cargo)   | :   | Not regulated as a dangerous good |  |  |  |
| IATA_P (Passenger)   | :   | Not regulated as a dangerous good |  |  |  |
| <b>14.5 Environmental hazards</b><br>Not regulated as a dangerous good |     |                                   |  |  |  |
| 14.6 Special precautions for use                                       | er  |                                   |  |  |  |
| Not applicable   |     |                                   |  |  |  |
| 14.7 Maritime transport in bulk a                                      | acc | -                                 |  |  |  |
| Regulatory basis   | :   | IMSBC Code                        |  |  |  |

: no

: C



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## **SECTION 15: Regulatory information**

| 15.<br>tur | 1 Safety, health and environmental regulations/legislat<br>e                              | ion   | specific for the substance or mix- |
|------------|---|-------|------------------------------------|
|            | REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | :     | Not applicable                     |
|            | Regulation (EC) No 1005/2009 on substances that deplete the ozone layer                   | :     | Not applicable                     |
|            | Regulation (EU) 2019/1021 on persistent organic pollu-<br>tants (recast)                  | :     | Not applicable                     |
|            | REACH - List of substances subject to authorisation (Annex XIV)                           | :     | Not applicable                     |
|            | Regulation (EU) 2019/1148 on the marketing and use of sives precursors                    | exp   | 0-                                 |
|            | This product is regulated by Regulation (EU) 2019/1148:                                   | all s | suspi- ammonium nitrate (ANNEX I)  |

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

| Seveso III: Directive 2012/18/E<br>pean Parliament and of the Con<br>control of major-accident hazar<br>dangerous substances. | unc | cil on the               | Not applicable           |
|---|-----|--------------------------|--------------------------|
| Water hazard class (Germa-  |     | WGK 1 slightly hazardo   | ous to water             |
| ny)   |     | Classification according | g to AwSV, Annex 1 (5.2) |

## 15.2 Chemical safety assessment

Not relevant

# **SECTION 16: Other information**

| Full text of H-Statements     |     |   |
|-------------------------------|-----|---|
| H272<br>H302<br>H315          | :   | May intensify fire; oxidizer.<br>Harmful if swallowed.<br>Causes skin irritation. |
| H319                          | :   | Causes serious eye irritation.  |
| Full text of other abbreviati | ons |   |
| Acute Tox.<br>Eve Irrit.      | :   | Acute toxicity<br>Eye irritation  |
|                               |     |   |



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| Ox. Sol.<br>Skin Irrit. |                           | : Oxidizing solid<br>: Skin irritation | S                               |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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