

SAFETY DATA SHEET

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



EasyStart® TE-Max 11-48-0

| | | | |
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| Version | Revision Date: | SDS Number: | Date of last issue: 16.09.2024 |
| 1.2 | 25.09.2024 | M0077 | Date of first issue: 14.09.2024 |

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

1.1 Product identifier

Trade name : EasyStart® TE-Max 11-48-0

Unique Formula Identifier (UFI) : VE2C-Q0P9-Y00T-SR8Q

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

Use of the Sub-stance/Mixture : Fertiliser

1.3 Details of the supplier of the safety data sheet

Company : COMPO EXPERT GmbH
Krögerweg 10
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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| | |
|--|--|
| Reproductive toxicity, Category 1B | H360FD: May damage fertility. May damage the unborn child. |
| Long-term (chronic) aquatic hazard, Category 3 | H412: Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms :



Signal word : Danger

Hazard statements : H360FD May damage fertility. May damage the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

disodium tetraborate pentahydrate

Additional Labelling

Restricted to professional users.

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

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Chemical nature : Inorganic fertiliser

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|-----------------------------------|--|--|--------------------------|
| Ferrous sulfate monohydrate | 17375-41-6 231-753-5 026-003-00-7 01-2119513203-57-XXXX | Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 <hr/> Acute toxicity estimate Acute oral toxicity: 300,03 mg/kg | >= 1 - < 10 |
| zinc oxide | 1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-XXXX | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 1 - < 2,5 |
| ammonium nitrate | 6484-52-2 229-347-8 01-2119490981-27-0050 | Ox. Sol. 3; H272 Eye Irrit. 2; H319 | >= 1 - < 10 |
| disodium tetraborate pentahydrate | 12179-04-3 215-540-4 005-011-02-9 01-2119490790-32-XXXX | Eye Irrit. 2; H319 Repr. 1B; H360FD | >= 0,3 - < 1 |

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.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
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
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- If inhaled : If breathed in, move person into fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.

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In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Ingestion may provoke the following symptoms:
Methaemoglobinemia

Risks : May damage fertility. May damage the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water
Dry chemical
Water mist
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
Foam
Sand

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Thermal decomposition can lead to release of irritating gases and vapours.
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Nitrogen oxides (NO_x)
Carbon monoxide
Carbon oxides
Oxides of phosphorus
Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This

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must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
The product itself does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Avoid contact with skin, eyes and clothing.
Wash contaminated clothing before re-use.
Avoid breathing dust.
For personal protection see section 8.
For disposal considerations see section 13.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform 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 on safe handling : Avoid contact with skin and eyes.
Wear personal protective equipment.
Keep away from combustible material.
Keep away from heat and sources of ignition.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before eating, drinking, or smoking. Wash hands before

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breaks and at the end of workday.

Dust explosion class : No data available

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Protect from moisture. Protect from contamination.

Advice on common storage : Keep away from combustible materials.
Keep away from strong acids.
Keep away from strong bases.
Keep away from food, drink and animal feedingstuffs.

Storage class (TRGS 510) : 6.1D

Further information on storage stability : Protect from frost, heat and sunlight.

7.3 Specific end use(s)

Specific use(s) : Not relevant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-----------------------------------|------------|---|--------------------------------|-------------|
| zinc oxide | 1314-13-2 | MAK (measured as the alveolate fraction) | 0,1 mg/m ³ | DE DFG MAK |
| | | Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed | | |
| | | MAK (inhalable fraction) | 2 mg/m ³ | DE DFG MAK |
| | | Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed | | |
| disodium tetraborate pentahydrate | 12179-04-3 | MAK (inhalable fraction) | 5 mg/m ³ | DE DFG MAK |
| | | Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed | | |
| | | AGW (Inhalable fraction) | 0,5 mg/m ³ (Borate) | DE TRGS 900 |
| | | Peak-limit: excursion factor (category): 2;(I) | | |
| | | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | |

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

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|-----------------------------------|------------------|-------------------------|----------------------------|----------------------------|
| ammonium sulphate | Workers | Skin contact | Long-term systemic effects | 42,667 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 11,167 mg/m ³ |
| | Consumer use | Oral | Long-term systemic effects | 6,4 mg/kg |
| | Consumer use | Skin contact | Long-term systemic effects | 12,8 mg/kg |
| | Consumer use | Inhalation | Long-term systemic effects | 1,667 mg/kg |
| | ammonium nitrate | Workers | Inhalation | Long-term systemic effects |
| | Workers | Skin contact | Long-term systemic effects | 5,12 mg/kg bw/day |
| | Consumers | Ingestion | Long-term systemic effects | 2,56 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 8,9 mg/m ³ |
| | Consumers | Skin contact, Ingestion | Long-term systemic effects | 2,56 mg/kg bw/day |
| disodium tetraborate pentahydrate | Workers | Inhalation | Long-term local effects | 17,04 mg/m ³ |
| | Workers | Inhalation | Acute local effects | 17,04 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 9,8 mg/m ³ |
| | Consumers | Oral | Acute systemic effects | 1,15 mg/kg bw/day |
| | Consumers | Inhalation | Long-term local effects | 3,4 mg/m ³ |
| | Consumers | Oral | Long-term systemic effects | 1,15 mg/m ³ |
| | Consumers | Inhalation | Long-term systemic effects | 4,9 mg/m ³ |

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

| Substance name | Environmental Compartment | Value |
|-----------------------------------|---------------------------|-------------|
| 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 |
| ammonium nitrate | Fresh water | 0,063 mg/kg |
| | Sewage treatment plant | 18 mg/l |
| disodium tetraborate pentahydrate | Fresh water | 2,9 mg/l |
| | Marine water | 2,9 mg/l |
| | Soil | 5,7 mg/l |

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| | | |
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| | Sewage treatment plant | 10 mg/l |
|--|------------------------|---------|

8.2 Exposure controls

Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166
- Hand protection
- Material : Gloves
 - Directive : Equipment should conform to EN 374
- Remarks : As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.
- Skin and body protection : Long sleeved clothing
- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
Equipment should conform to EN 14387
- Filter type : Filter type P
- Protective measures : Handle in accordance with good industrial hygiene and safety practice.
Wash contaminated 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 flammability limit : Not applicable

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Lower explosion limit / Lower flammability limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : > 130 °C

pH : 4,5 - 5,5 (20 °C)
Concentration: 100 g/l

Solubility(ies)
Water solubility : soluble

Partition coefficient: n-octanol/water : Not applicable

Bulk density : 780 - 980 kg/m³

Particle characteristics
Particle Size Distribution : D50 = 1,2 mm ± 0,3 mm
Measurement technique: Optoelectronic measurement method

9.2 Other information

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Self-ignition : not auto-flammable

Minimum explosible dust concentration : No data available

Dust explosion class : No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable.
Heating can release hazardous gases.

10.4 Conditions to avoid

Conditions to avoid : Hot surface(s)
Direct sources of heat.

10.5 Incompatible materials

Materials to avoid : Strong bases
Organic materials
Powdered metals

10.6 Hazardous decomposition products

Hazardous decomposition products : Nitrogen oxides (NO_x)
Oxides of phosphorus
Sulphur oxides
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 classification criteria are not met.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

Ferrous sulfate monohydrate:

Acute oral toxicity : LD50: > 300 - < 2.000 mg/kg
Assessment: Harmful if swallowed.

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal

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toxicity

zinc oxide:

- Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation 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 toxicity
- Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

disodium tetraborate pentahydrate:

- Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

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

Components:

Ferrous sulfate monohydrate:

Assessment : Irritating to skin.

zinc oxide:

Assessment : No skin irritation

ammonium nitrate:

Assessment : No skin irritation

disodium tetraborate pentahydrate:

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Assessment : No skin irritation

Serious eye damage/eye irritation

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

Components:

Ferrous sulfate monohydrate:

Assessment : Irritating to eyes.

zinc oxide:

Assessment : No eye irritation

ammonium nitrate:

Species : Rabbit
Exposure time : 24 h
Assessment : Irritating to eyes.
Method : OECD Test Guideline 405

disodium tetraborate pentahydrate:

Species : Rabbit
Result : Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation

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

Respiratory sensitisation

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

Components:

Ferrous sulfate monohydrate:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

zinc oxide:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

ammonium nitrate:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

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disodium tetraborate pentahydrate:

Assessment : Does not cause skin sensitisation.

Assessment : Does not cause respiratory sensitisation.

Germ cell mutagenicity

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

Components:

Ferrous sulfate monohydrate:

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

zinc oxide:

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

ammonium nitrate:

Genotoxicity in vitro : Method: OECD Test Guideline 471
Result: negative

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

disodium tetraborate pentahydrate:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects
Based on data from similar materials

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

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

Components:

Ferrous sulfate monohydrate:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

zinc oxide:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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ammonium nitrate:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

disodium tetraborate pentahydrate:

Remarks : Animal testing did not show any carcinogenic effects.
Based on data from similar materials

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

May damage fertility. May damage the unborn child.

Components:

Ferrous sulfate monohydrate:

Reproductive toxicity - Assessment : No toxicity to reproduction

No effects on or via lactation

zinc oxide:

Reproductive toxicity - Assessment : No toxicity to reproduction

No effects on or via lactation

ammonium nitrate:

Reproductive toxicity - Assessment : No toxicity to reproduction

No effects on or via lactation

disodium tetraborate pentahydrate:

Effects on fertility : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Result: Embryotoxic effects and adverse effects on the offspring were detected.
Remarks: Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

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No effects on or via lactation

STOT - single exposure

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

Components:

Ferrous sulfate monohydrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

zinc oxide:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

ammonium nitrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

disodium tetraborate pentahydrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

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

Components:

Ferrous sulfate monohydrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

zinc oxide:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

ammonium nitrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

disodium tetraborate pentahydrate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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Repeated dose toxicity

Components:

ammonium nitrate:

Species : Rat
NOAEL : > 1.500 mg/kg
Application Route : Oral
Exposure time : 28 d

Species : Rat
NOAEL : = 256 mg/kg
Application Route : Oral
Exposure time : 52 w
Method : OECD Test Guideline 453

Species : Rat
NOAEL : \geq 185 mg/kg
Application Route : inhalation (dust/mist/fume)
Exposure time : 2 w
Method : OECD Test Guideline 412

Aspiration toxicity

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

Components:

Ferrous sulfate monohydrate:

No aspiration toxicity classification

zinc oxide:

No aspiration toxicity classification

ammonium nitrate:

No aspiration toxicity classification

disodium tetraborate pentahydrate:

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.

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SECTION 12: Ecological information

12.1 Toxicity

Components:

zinc oxide:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

ammonium nitrate:

Toxicity to fish : LC50 (Fish): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 490 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (diatoms): 1.700 mg/l
Exposure time: 10 h

Toxicity to microorganisms : EC50 (activated sludge): 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

disodium tetraborate pentahydrate:

Toxicity to fish : (Pimephales promelas (fathead minnow)): 79,7 mg/l
Test Type: LC50

Toxicity to daphnia and other aquatic invertebrates : LC50 (Ceriodaphnia dubia (water flea)): 91 mg/l

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 52,4 mg/l

Toxicity to fish (Chronic toxicity) : NOEC: 6,4 mg/l
Species: Danio rerio (zebra fish)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 14,2 mg/l
Species: Daphnia magna (Water flea)

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12.2 Persistence and degradability

Components:

ammonium nitrate:

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Components:

ammonium nitrate:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -3,1

disodium tetraborate pentahydrate:

Partition coefficient: n-octanol/water : log Pow: -1,53 (22 °C)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : 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.

Components:

zinc oxide:

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).

disodium tetraborate pentahydrate:

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).

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12.6 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.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations. Waste codes should be assigned by the user based on the application for which the product was used.

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

SECTION 14: Transport information

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

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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

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Regulatory basis : IMSBC Code
MHB : no
IMSBC Group : C

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: disodium tetraborate pentahydrate (Number on list 30)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : disodium tetraborate pentahydrate

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explo-

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sives precursors

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. ammonium nitrate (ANNEX I)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Water hazard class (Germany) : WGK 1 slightly hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Other regulations:

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical safety assessment

Not relevant

SECTION 16: Other information

Full text of H-Statements

| | |
|--------|---|
| H272 | : May intensify fire; oxidizer. |
| H302 | : Harmful if swallowed. |
| H315 | : Causes skin irritation. |
| H319 | : Causes serious eye irritation. |
| H360FD | : May damage fertility. May damage the unborn child. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--------------------------------------|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Irrit. | : Eye irritation |
| Ox. Sol. | : Oxidizing solids |
| Repr. | : Reproductive toxicity |
| Skin Irrit. | : Skin irritation |
| DE DFG MAK | : Germany. MAK BAT Annex IIa |

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DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK : MAK value
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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

Classification of the mixture:

| | |
|-------------------|--------|
| Repr. 1B | H360FD |
| Aquatic Chronic 3 | H412 |

Classification procedure:

| |
|--------------------|
| Calculation method |
| Calculation method |

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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