

Kinsidro Grow+

Safety Data Sheet

Document Control Number: PFT-SDS-0613

Date of issue: 11/10/2022 Revision 3.1

(replaces Revision 3.0)

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

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

1.1. Product identifier

Product form : Mixture
Trade name : Kinsidro Grow+
Type of product : Fertilisers

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only.
Use of the substance/mixture : Agricultural fertilizers (diluted with water as in the instructions for use).

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Importer/producer:

Pro Farm Oü
Keevise 10
11415 Tallinn - Estonia
T +(358)9 817 116 30
info@profarm.org

1.4. Emergency telephone number

Emergency number : +44 330 094 0290

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements

EUH208 : Contains Cobalt disodium ethylenediaminetetraacetate. May produce an allergic reaction.
EUH210 : Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cobalt disodium ethylenediaminetetraacetate	(CAS-No.) 15137-09-4 (EC-No.) 239-198-0	<= 0.85	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Carc. 2, H351
Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cuprate(2-)	(CAS-No.) 14025-15-1 (EC-No.) 237-864-5 (REACH-no) 01-2119963944-23	<= 0.74	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Boric acid	(CAS-No.) 10043-35-3 (EC-No.) 233-139-2 (EC Index-No.) 005-007-00-2	<= 0.24	Repr. 1B, H360FD

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Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest.
- First-aid measures after skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes.. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Sensitive people may develop an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect mechanically the product by suction and / or sweep. Store away from other materials. Wash non-recoverable remainder with large amounts of water.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Provide good ventilation in process area to prevent formation of vapour. Do not drink, eat or smoke in the workplace. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from ignition sources. Keep out of direct sunlight.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

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SECTION 8 : Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or face shield.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Dust production: dust mask with filter type P3. Wear appropriate mask.



Other information:

Do not eat, drink or smoke during use.

SECTION 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Flakes
Colour	: Dark brown
Odour	: Characteristic
Odour threshold	: Not determined
pH	: 9.5 – 10.5 (10% solution)
Melting point	: Not determined
Freezing point	: -1 °C (± 3 °C)
Boiling point	: Not determined
Flash point	: Not determined
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Non flammable
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: Not determined
Relative density	: Not determined
Solubility	: Miscible with water
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Explosive properties	: Not explosive
Oxidising properties	: Non oxidising
Explosive limits	: Not determined

9.2. Other information

No additional information available

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SECTION 10 : Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

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 defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cuprate(2-) (14025-15-1)	
LD50 oral rat	890 mg/kg (OECD 423 method)
LC50 inhalation rat	> 5.3 mg/l/4h (OECD 436 method)

Cobalt disodium ethylenediaminetetraacetate (15137-09-4)	
LD50 oral rat	729 mg/kg bodyweight (equivalent or similar to OECD Guideline 401)(calculated value)

Boric acid (10043-35-3)	
LD50 oral rat	3450 mg/kg bodyweight
LD50 skin rabbit	> 2000 mg/kg (FIFRA (40 CFR 163))
LC50 inhalation rat (mg/l)	> 2.12 mg/l/4h (OECD 403 method)

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Not classified.

Respiratory or skin sensitisation : Not classified.

Additional information : Based on available data, the classification criteria are not met. Sensitive people may develop an allergic reaction.

Germ cell mutagenicity : Not classified.

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

Carcinogenicity : Not classified.

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

Reproductive toxicity : Not classified.

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

Boric acid (10043-35-3)	
LOAEL (animal/male, F0/P)	58.5 mg B/kg bw/day
NOAEL (animal/male, F0/P)	17.5 mg B/kg bw/day

STOT-single exposure : Not classified.

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

STOT-repeated exposure : Not classified.

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

Aspiration hazard : Not classified.

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

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Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

11.2. Information on other hazards

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified.

Chronic aquatic toxicity : Not classified.

Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cuprate(2-) (14025-15-1)	
LC50 fish 1	555 mg/l (OECD 203 method)
EC50 Daphnia 1	109.2 mg/l (OECD 202 method)
EC50 72h algae (1)	662.6 mg/l (OECD 201 method)
NOEC (acute)	654 mg/l Bacteria toxicity
NOEC (chronic)	37.2 mg/l (OECD 210 method)
NOEC chronic crustacea	29.5 mg/l (OECD 211 method)
NOEC chronic algae	43.7 mg/l/72 h (OECD 201 method)

Boric acid (10043-35-3)	
EC50 Daphnia 1	115 - 153 mg/l / 48 h

Cobalt disodium ethylenediaminetetraacetate (15137-09-4)	
EC50 Daphnia	> 100 mg/l/48 h (Daphnia magna)(OECD 202 method)
EC50 72h - Algae (1)	> 400 mg/l (Pseudokirchneriella subcapitata)(OECD 201 method)

12.2. Persistence and degradability

Not established.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

This product is not identified as PBT or vPvB.

12.6. Endocrine disrupting properties

Not established.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Not dangerous goods for transport.

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

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

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Boric acid (EC 233-139-2, CAS 10043-35-3).

Contains no substance listed in Annex XIV to REACH.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other information

Sources of Key data : - REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Supplier Information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral) : Acute toxicity (oral), Category 4
Eye Irrit. 2 : Serious eye damage/eye irritation, Category 2
Carc. 2 : Carcinogenic, Category 2
Repr. 1B : Reproductive toxicity, Category 1B
Skin Sens. 1 : Skin sensitisation, Category 1
H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.
H351 : Suspected of causing cancer.
H360FD : May damage fertility. May damage the unborn child.
H317 : May cause an allergic skin reaction.

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EUH208 : Contains Cobalt disodium ethylenediaminetetraacetate. May produce an allergic reaction.
EUH210 : Safety data sheet available on request.

The CLP classification of the mixture is based on calculation.

UPDATES: section 2, 3, 8, 9, 10, 11, 12, 15, 16

SDS EU (REACH Annex II)

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.

Disclaimer of liability

The information in this document was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This product safety document was prepared and is to be used only for this product. If the product is used as a component in another product, this information may not be applicable.