

Safety Data Sheet

HEKstar 293 Feed B Chemically Defined Feeding Supplement sterile-filtered

According to Regulation (EC) No. 1907/2006 (REACH) and 2020/878

Date of compilation 04.02.2026

Revision Date -

Version 001/02.2026

Replaces version of -

| | |
|------------------|---|
| Section 1 | Identification of the substance/mixture and of the company/undertaking |
|------------------|---|

Product identifiers

Product name: HEKstar 293 Feed B
Chemically Defined Feeding Supplement sterile-filtered

Catalogue No.: STARFB-10ML

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

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

Identified uses: This product is for research and further manufacturing use only.
Not for therapeutic use. Not for use on human subjects.

Details of the supplier of the safety data sheet

Company: Capricorn Scientific GmbH
Auf der Lette 13 A
35085 Ebsdorfergrund
Germany
Phone: +49 6424 94464 0
E-Mail: info@capricorn-scientific.com
Website: www.capricorn-scientific.com

Emergency telephone number

Emergency Phone: +49 6424 94464 0 (on workdays, Mon. to Fri. from 8:00 – 16:00 h CET/CEST)

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Section 2 Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Skin irritation (Category 1B): H314
Eye irritation (Category 2): H319
Corrosive to Metals (Category 1): H290

For the full text of the H-Statements mentioned in this Section, see below.

Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram



Signal Word

Corrosive

Hazard statements:

H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H290 May be corrosive to metals.

Precautionary statements:

P234 Keep only in original packaging.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

Supplemental Hazard Statements:

none

Note on reduced labeling: Labeling reduction for containers ≤ 10 ml

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

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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

Mixtures

| Identification | Chemical name/Classification | Concentration |
|---|--|---------------|
| CAS: 1310-73-2 EC: 215-185-5 Index: 011-002-00-6 REACH: Non-applicable | Sodium hydroxide Skin Irr. 1A: H314 Corrosive Eye Irr. 2: H319 Corr. to Metals 1: H290 | ≥ 2 – < 5 % |

Synonyms: Caustic soda

A registration number is not available for this substance as the substance, or its use, are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

For the full text of the H-Statements mentioned in this Section, see section 2.

Section 4

First aid measures

Description of first aid measures

| | |
|-------------------------------|--|
| General notes | Show this material safety data sheet to the doctor in attendance. |
| Following skin contact | Wash off with soap and plenty of water. In case of modifications on the skin, seek medical advice with this safety data sheet. |
| Following eye contact | Remove contact lenses. Rinse immediately carefully and thoroughly with eyebath or water. If eye irritation persists: Get medical advice/attention. |
| Following ingestion | Make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. |
| Following inhalation | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| Following swallowing | Make victim drink water (two glasses at most). Consult doctor if feeling unwell. |

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Never give anything by mouth to an unconscious person.

Self-protection of the first aider Consider personal protective equipment as indicated in section 8.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed No data available

Section 5 Firefighting measures

Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Oxides of phosphorus, Hydrogen chloride gas, Hydrogen iodide, Sodium oxides, Potassium oxides, Mangan oxides, Copper oxides, Calcium oxide, Zinc oxides, Selenium oxides
Non-combustible
Development of hazardous combustion gases possible in the event of fire.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system. Prevent skin contact by wearing suitable protective clothing.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions Do not let product enter drains.

Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

Reference to other sections For disposal see section 13.

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Section 7 Handling and storage

Precautions for safe handling For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Storage **Conditions:** Tightly closed. **Stability:** Recommended storage temperature: +2 °C - +8 °C.
Protect from light.

Storage class Storage class (TRGS 510): 12: Non-Combustible Liquids

Specific end use(s) Apart from the uses mentioned in section 1 no other specific uses are stipulated.

Section 8 Exposure controls/personal protection

Control parameters

| Substance | CAS No. | Occupational exposure limit (OEL) | Peak limitation | Notes |
|------------------|------------|--|-----------------|------------------|
| Sodium hydroxide | 1310-73- 2 | 2 mg/m ³ (inhalable fraction) | Category II(2) | Short term value |

Exposure controls

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Chloroprene

Minimum layer thickness: 0,6 mm

Break through time: 480 min

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Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,2 mm

Break through time: 30 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Do not let product enter drains.

Section 9

Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---------------------------------|-------------------|
| Physical state | liquid |
| Colour | No data available |
| pH | pH 11 |
| Odour (Threshold) | No data available |
| Melting/freezing point | No data available |
| Initial boiling point and range | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower explosion limit | No data available |
| Flash point | No data available |
| Autoignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Viscosity - Kinematic: | No data available |
| - Dynamic: | No data available |

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| | |
|---|-------------------|
| Water solubility | soluble at +20 °C |
| Partition coefficient [n-octanol/water] | No data available |
| Vapour pressure | No data available |
| Density/Relative density | No data available |
| Relative vapour density | No data available |
| Particle characteristics | No data available |
| Oxidizing properties | none |

Other information No data available

Section 10

Stability and Reactivity

Reactivity

No data available

Chemical stability

The product is chemically stable under recommended conditions.

Possibility of hazardous reactions

Violent reactions possible with: The known reaction partners of water.

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

In the event of fire: see section 5.

Section 11

Toxicological information

Information on toxicological effects

Mixture

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

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Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity No data available

 - single exposure No data available

 - repeated exposure No data available

Aspiration hazard No data available

Additional Information

Endocrine disrupting properties

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.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12

Ecological information

Toxicity Mixture No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Results of PBT and vPvB 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.

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.

Other adverse effects No data available

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Section 13

Disposal considerations

Waste treatment methods

Product: Discourage sewage disposal. Dispose of waste according to applicable legislation.
Contaminated packaging Dispose of as unused product. Dispose of waste according to applicable legislation.

Section 14

Transport Information

In accordance with ADR / RID / IMDG / IATA

| ADR/RID | IMDG | IATA |
|---------------------------------|----------------------|---------------------|
| UN number | | |
| - | - | - |
| UN proper shipping name | | |
| Not dangerous goods | Not dangerous goods | Not dangerous goods |
| Transport hazard classes | | |
| - | - | - |
| Packaging group | | |
| - | - | - |
| Environmental hazards | | |
| no | Marine pollutant: no | no |

Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

Maritime transport in bulk according to IMO Instruments

No data available

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Section 15

Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16

Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Full text of other abbreviations

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;
CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation;
DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;
EmS - Emergency Schedule; ENCS - Existing & 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; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory;
TSCA - Toxic Substances Control Act (United States); UN - United Nations;
UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative