

Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 04.04.2019

Revision number 2.0

Version date: 04.04.2019

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

1.1 Product identifier

- **Product name:** Huf- und Klauenschuhe Shoof
- **Product codes:** 16501, 16502, 16505, 16506, 16509, 16510, 16520, 3260, 3261, 3262, 3263

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

- **Identified uses of the substance or mixture**
Animal care product

1.3 Details of the supplier of the safety data sheet

Albert Kerbl GmbH
Felizenzell 9
D-84428 Buchbach
www.kerbl.com
Tel.: 0049-(0)8086-933-100
E-Mail: info@kerbl.com

- **Responsible Department:**
Albert Kerbl GmbH
Tel.: 0049-(0)8086-933-104
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1.4 Emergency telephone number:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen
c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74
Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17
E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr. 1272/2008

Acute toxicity (oral): Acute Tox. 4 (H302)
Serious eye damage/eye irritation: Eye Dam. 1 (H318)
Hazardous to the aquatic environment: Aquatic Acute 1 (H400)
Hazardous to the aquatic environment: Aquatic Chronic 1 (H410)

2.2 Label elements

Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)



GHS05



GHS07



GHS09



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Signal word

Danger

Hazard statements

H302 - Harmful if swallowed.

H318 - Causes serious eye damage.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor.

P330 - Rinse mouth.

P391 - Collect spillage.

P501 - Dispose of contents/container to waste disposal site in accordance with local/national regulations.

2.3 Other hazards

· None

3 Composition/information on ingredients

3.1 Substance

CAS: 7758-99-8

copper sulphate pentahydrate

> 98 %

EC: 231-847-6

Acute Tox. 4 oral (H302), Eye Dam. 1 (H318)

Index: 029-023-00-4

Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), M=10

Additional information:

The wording of the listed risk phrases and hazard statements refer to section 16.

4 First aid measures

4.1 Description of first aid measures

· General information:

Remove contaminated clothing and shoes immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. In case of persisting adverse effects, consult a physician.

· Inhalation:

Ensure supply of fresh air. In case of adverse effects, consult a physician.



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· Skin contact:

Wash off immediately with soap and water. Rinse with plenty of water.

· Eye contact:

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an oculist.

· Ingestion:

Summon a doctor immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Adapt fire extinguishing measures to surrounding areas.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Sulphur oxides (SO_x).
Under certain fire conditions, traces of other toxic substances are possible.

5.3 Advice for firefighters

Special protective equipment:

Wear self-contained breathing apparatus.

Further information

Dispose fire residues and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep people away and stay on the upwind side. Refer to protective measures listed in sections 7 and 8. Avoid formation of dust.

6.2 Environmental precautions:

Prevent any material from entering drains or waterways. In case of entry into waterways, soil or drains, inform the responsible authorities. Avoid unnecessary release to the environment.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Dispose contaminated material as waste according to chapter 13.

6.4 Reference to other sections

Information regarding safe handling see chapter 7.

Information regarding personal protection see chapter 8.

Information regarding disposal see chapter 13.



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7 Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed.

Advice on protection against fire and explosion: No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Always keep in original containers.

Advice on storage assembly: Not necessary.

Further information on storage conditions: Keep container tightly closed.

Recommended storage temperature: 5-30 °C

7.3 Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls / Personal protection

Keep away from foodstuffs, beverages, and feed. Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work. Avoid contact with eyes and skin.

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Besides the suitable material, the choice of protective gloves depends additionally on quality criteria which may vary from one manufacturer to the other.

Protective gloves (EN 374)

Appropriate Material

- Nitrile rubber, recommended thickness: ≥ 0.4 mm.

Skin protection (other than of the hands)

Protective clothing (long sleeves).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Filter P2.

Thermal hazards

No data available.

Exposure controls regarding environmental protection

No data available.



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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **General Information**
- **Appearance:**
 - Form: solid
 - Colour: white - blue
- **Odour:** odourless
- **Smell Threshold:** not determined
- **pH:** appr. 4 (10 g/l, 20 °C)
- **Change of state**
 - Melting point/range: 110 °C (dec.)
 - Boiling point/range: not determined
- **Flash point:** not applicable
- **Flammability (solid, gas):** Product is not inflammable.
- **Ignition temperature:** not applicable
- **Thermal decomposition:** not determined
- **Autoinflammability:** not determined
- **Explosion hazard:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower: not determined
 - Upper: not determined
- **Vapour pressure at 20 °C:** not applicable
- **Density:** 2.29 g/cm³
- **Bulk density** not determined
- **Vapour density** not applicable
- **Evaporation rate** not applicable
- **Solubility / miscibility**
 - Water: soluble
- **Partition coefficient (n-Octanol/Water):** not determined
- **Viscosity:** not applicable
- **Oxidising properties** not determined

9.2 Other information

No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition under the recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions under the recommended handling and storage conditions.



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10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Sulphurous oxides (SO_x)

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Harmful if swallowed.

Oral LD-50 482 mg/kg (Rat)

Dermal LD-50 >2000 mg/kg (Rat)

Skin corrosion/irritation:

Irritant to skin and mucous membranes.

Eye damage/irritation:

Causes serious eye damage.

Sensitisation, respiratory or skin:

No sensitizing effects known.

Carcinogenicity, germ cell mutagenicity, reproductive toxicity (CMR):

No effects known.

Specific target organ toxicity (STOT), single/repeated exposure:

No effects known.

Aspiration hazard:

Not applicable.

Additional toxicological information:

No further relevant information available.

12 Ecological information

12.1 Toxicity

Very toxic to aquatic life. Germany: Water Hazard Class 3: strongly hazardous to water. Prevent any material from entering drains or waterways, even in smallest amounts.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment Not applicable.

12.6 Other adverse effects No further relevant information available.



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13 Disposal considerations

13.1 Waste treatment methods

Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal of the product / packaging

The listed (n) waste number (s) according to the European Waste Catalogue (EWC), are a recommendation. A final decision must be taken in agreement with the regional waste management company.

02 01 08* agrochemical waste containing dangerous substances

Uncleaned packaging:

Recommendation: Disposal according to official regulations.

Recommended cleaning agent: Water, if necessary with addition of detergents.

14 Transport information

14.1 UN number	UN 3077
14.2 UN proper shipping name ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper sulphate)
IMDG, ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper sulphate)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environmental hazards	Environmental hazard, symbol (fish and tree)
14.6 Special precautions for user	see sections 6 to 8.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15 Regulatory information

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

EU-Regulations

none

National Regulations

Germany: Wassergefährdungsklasse (WGK)

strongly hazardous to water (WGK 3), listed classification.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



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16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Revision notes

* Changes since the last version

Abbreviations

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

Title for H and EUH indications (Number and text)

H302 - Harmful if swallowed.

H318 - Causes serious eye damage.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.