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Material Safety Data Sheet

Revision Date 15.04.2014

Version 1.0

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

Product identifier

Product name SODIUM COPPER CHLOROPHYLLIN
minimum 98%

Uses of the substance or mixture

Pharmaceutical production, Cosmetic raw material

Details of the supplier of the safety data sheet

Company Zhonglan Industry Co., Ltd

Phone:+ 86 531 82956570

2. Hazards identification

Classification of the substance or mixture

Not a dangerous substance according to GHS.

CAS-No. 11006-34-1

Other hazards

None known.

3. Composition/information on ingredients

Formula $C_{34}H_{31}CuN_4Na_3O_6$ (Hill)

CAS-No. 11006-34-1

Molar mass 724,19 g/mol

4. First aid measures

Description of first aid measures

After inhalation: move to fresh air.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water.

After swallowing: immediately make victim drink water (two glasses at most). Consult doctor in the event of any complaints.

Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms.

Indication of immediate medical attention and special treatment needed

No information available.

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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Water, Foam, Dry powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

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

Special hazards arising from the substance or mixture

Combustible material, Development of hazardous combustion gases or vapours possible in the event of fire.

Fire may cause evolution of:

nitrogen oxides

Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

Environmental precautions

No special precautionary measures necessary.

Methods and materials for containment and cleaning up

Observe possible material restrictions (see sections 7.2 and 10.5).

Dispose of properly. Clean up affected area. Avoid generation of dusts.

Indications about waste treatment see section 13.

7. Handling and storage

Precautions for safe handling

Observe label precautions.

Conditions for safe storage

Tightly closed. Dry.

Store at +5°C to +30°C.

Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection

Control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of

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personal protective equipment.

See section 7.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

Eye/face protection

Safety glasses

Hand protection

Glove material: Nitrile rubber

Glove thickness: 0,11 mm

Respiratory protection

required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

9. Physical and chemical properties

Information on basic physical and chemical properties

Form	solid
Colour	dark green
Odour	characteristic
Odour Threshold	No information available.
pH	9,5 - 10,7 at 10 g/l
Melting point	No information available.
Boiling point	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.

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Relative vapour density	No information available.
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Relative density	No information available.
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Water solubility	at 20 °C soluble
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Partition coefficient: n- octanol/water	
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No information available.	
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Autoignition temperature	No information available.
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Decomposition temperature	No information available.
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Viscosity, dynamic	No information available.
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Explosive properties	No information available.
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Oxidizing properties	No information available.
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Other data

Bulk density	386 kg/m ³
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10. Stability and reactivity

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

no information available

Conditions to avoid

no information available

Incompatible materials

no information available

Hazardous decomposition products in the event of fire: See chapter 5.

11. Toxicological information

Further information

Quantitative data on the toxicity of this product are not available.

Further toxicological data:

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Other information

Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

Further data:

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Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

Toxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

Additional ecological information

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Waste treatment methods

Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

Land transport

Road transport

Not classified as a dangerous good under transport regulations

Rail transport

Not classified as a dangerous good under transport regulations

Inland waterway transport

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

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IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

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

16. Other information

Training advice

Provide adequate information, instruction and training for operators.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification)). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.