



Trade name: Cupri nitras

Date revised: 16.06.09

Dangerous substance number: 063080

Version: 1 / CH

Date of printing: 16.06.09

01. Identification of the substance/preparation and of the company/undertaking

Trade name

Cupri nitras

Item-No. 06308000

Company/undertaking identification

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency 0041 (0)44 251 51 51

telephone

02. Hazards identification

Classification

Classification Xn, R22
Xi, R36/38
N, R50/53

Hazard symbols

Xn Harmful
N Dangerous for the environment

R phrases

22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

03. Composition / information on ingredients

Hazardous ingredients

Cupric nitrate hemi(pentahydrate)

CAS no. 19004-19-4

EINECS no. 221-838-5

Concentration >= 50 %

04. First aid measures

General information

Seek medical advice immediately.. In any case show the physician the Safety Data Sheet.

After inhalation

Remove the casualty into fresh air and keep him calm.. Irregular breathing/no breathing: artificial respiration.. Take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well.. Take for medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. Begin with medical treatment.

After ingestion

Never give anything by mouth to an unconscious person.. Rinse mouth thoroughly with water.. Summon a doctor immediately.



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05. Fire-fighting measures

Suitable extinguishing media

Water spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

06. Accidental release measures

Personal precautions

Use personal protective clothing.. Avoid dust formation.. Do not inhale dust.. Ensure adequate ventilation.

Environmental precautions

Do not allow to enter drains.. Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Avoid raising dust.. Send in suitable containers for recovery or disposal.

07. Handling and storage

Handling

Advice on safe handling

Avoid contact with skin and eyes.. Avoid dust formation.. Avoid formation of aerosols.. Provide exhaust ventilation if dust is formed.. Keep away sources of ignition.. Procure extinguisher

Storage

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.. Protect from warmth.. Protect from atmospheric moisture and water.

08. Expose controls/personal protection

General protective and hygiene measures

Observe the usual precautions when handling chemicals. Wash hands before breaks and after work.

Occupational exposure controls

Respiratory protection

Dust mask; Typ N95; Particle filter half mask, filter P1

Hand protection

Gloves

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Safety glasses

Skin protection

Fire-resistant protective clothing

09. Physical and chemical properties

General information

Form

solid

Important health, safety and environmental information



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Flash point

Value		°C
Remarks	not applicable	

Boiling point

Value		°C
Remarks	not applicable	

Melting point

Value	114	°C
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Density

Value	2.32	g/cm ³
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10. Stability and reactivity**Conditions to avoid**

Heat. Protect from atmospheric moisture and water.

Materials to avoid

Reactions with reducing agents., Organic materials, Reactions with metals in powder form.

Hazardous decomposition products

In the event of fire the following can be released:., nitrous oxides (NOx), copper oxides (CuOx)

11. Toxicological information**Acute toxicity / further data****Acute oral toxicity**

Species	rat		
LD50	794		mg/kg
Remarks	Harmful if swallowed.		

Irritant/corrosive effects**Irritant effect on skin**

Species	rabbit
valuation	irritant

Irritant effect on eyes

Species	rabbit
valuation	strongly irritant

Effects after repeated or prolonged exposition (subacute, subchronic, cronic)**Subacute, subchronic, chronic toxicity**

Remarks	Repeated absorption/exposure may cause disorder of central nervous system, liver, kidneys and blood.
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Carcinogenicity

Remarks	No evidence available on carcinogenicity.
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12. Ecological information**Fish toxicity**

LC50	0.29		mg/l
Duration of exposure	96	h	

General information / ecology

Very toxic for aquatic organisms.. Harmful to aquatic organisms.

13. Disposal considerations



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Disposal recommendations for the product

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information**Land transport ADR/RID**

UN number	1477
Class	5.1
Packing group	II
Label	5.1
Technical name	NITRATES, INORGANIC, N.O.S.
Danger releasing substance	Cupric nitrate hemi(pentahydrate)

Marine transport IMDG/GGVSee

UN number	1477
Class	5.1
Packing group	II
Technical name	NITRATES, INORGANIC, N.O.S.
Danger releasing substance	Cupric nitrate hemi(pentahydrate)
Marine Pollutant	no

Air transport ICAO/IATA

UN number	1477
Class	5.1
Packing group	II
Technical name	NITRATES, INORGANIC, N.O.S.
Danger releasing substance	Cupric nitrate hemi(pentahydrate)

15. Regulatory information**Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Xn	Harmful
N	Dangerous for the environment

Hazardous component(s) to be indicated on label

contains Cupric nitrate hemi(pentahydrate)

R phrases

22	Harmful if swallowed.
36/38	Irritating to eyes and skin.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. Other information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

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