

SAFETY DATA SHEET

Copper Oxide Needles

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

- 1.1 Product identifier**
Trade name: Animax Copper Oxide Needles
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Use: To provide copper to ruminants, electrical wiring systems
Uses advised against: situations where other sources of copper are provided / available
- 1.3 Details of the supplier of the safety data sheet**
Animax Ltd.
Shepherds Grove West
Stanton
Bury St Edmunds
Suffolk
IP31 2AR
Tel: 44 (0) 1359 252181
E mail: info@animax-vet.com
- 1.4 Emergency telephone number**
In case of emergency Tel. 01379 252181 (09:00-16:30 Mon-Fri)

SECTION 2: Hazards Identification

- 2.1 Classification of the substance or mixture**
Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008
Aquatic Acute Cat 1 H400 Very toxic to aquatic life
Aquatic Chronic Cat 3 H412 May cause long lasting harmful effects to aquatic life
- 2.2 Label elements**
Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008



Warning

Very toxic to aquatic life
Avoid release to the environment

2.3 Other hazards
None identified

SECTION 3: Composition

3.1 Substances

Name	CAS	% w/w	Classification EC No. 1272/2008
Copper Oxide	1317-38-0	>80 %	Aquatic Acute 1 H400 Aquatic Chronic 3 H412 M=1

3.2 Mixtures

Not applicable, product is a substance.

See section 16 for full description of H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Wash thoroughly with water and obtain medical attention if signs of discomfort persist.
INHALATION: Remove from exposure. If breathing becomes difficult call a doctor.
SKIN CONTACT: Wash off with soap and water. Seek medical attention.
INGESTION: If swallowed, rinse mouth with water. Consult a Physician

4.2 Most important symptoms and effects, both acute and delayed

No known significant short term effects.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Use extinguishing media appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Copper Oxides

5.3 Advice for fire fighters

Wear fire-fighting kit and self-contained breathing apparatus if appropriate.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

6.2 Environmental precautions

Very toxic to aquatic life: Prevent entry into drainage systems and water courses. Contact appropriate authorities if product does enter the environment.

6.3 Methods and materials for containment and clearing up

Collect and place into a suitable container for disposal.

6.4 References to other sections

See sections 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid unnecessary skin and eye contact. Avoid formation of dust and provide appropriate exhaust ventilation. Do not eat or drink when handling this product. Wash thoroughly after handling the product and before eating or drinking. Observe good industrial hygiene practices. Ensure good workplace ventilation at all times.

7.2 Conditions for safe storage, including any incompatibilities

Keep dry. Keep sealed when not in use.

7.3 Specific end uses(s)

Use only as directed in section 1.2j

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering controls

Not usually required.

Respiratory protection

Ensure good workplace ventilation at all times. If ventilation is insufficient, use respiratory protection apparatus.

Hand Protection

Wear suitable gloves, such as Nitrile/PVC (EN 374-2:2003) to minimise skin contact.

Eye protection

Safety glasses with side shields should be worn conforming to EN 166.

Skin protection

Ensure skin does not come into contact with the product and suitable clothing is worn

Environmental Exposure Controls

Take suitable measures to prevent entry into the environment.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Grey/Dark Grey Copper Oxide Rods
Odour:	None
Odour threshold:	None
pH:	No data
Melting point:	No data
Boiling point:	Not applicable
Flashpoint:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Not flammable
Upper/lower flammability limits:	Not flammable
Vapour pressure:	Not applicable
Vapour density:	No data
Relative density:	6.3 g/cm ³ (copper oxide)
Solubility in water:	Insoluble
Solubility in other solvents:	Not applicable
Partition coefficient (log K _{ow}):	No data

Autoignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	Not applicable
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising

9.2 Other information

None

SECTION 10: Stability and Reactivity**10.1 Reactivity**

Not considered a reactive material.

10.2 Chemical stability

Stable under expected conditions of use.

10.3 Possibility of hazardous reactions

None hazardous under expected conditions of use

10.4 Conditions to avoid

No adverse conditions need to be avoided.

10.5 Incompatible materials

Not applicable

10.6 Hazardous decomposition products

None under expected conditions of use. See section 5 for fire decomposition products.

SECTION 11: Toxicological Information**11.1 Information on toxicological effects**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	Not classified as toxic.
(b) skin corrosion/irritation	Not classified as an irritant, based on consideration of the components.
(c) serious eye damage/irritation	Not classified as an irritant, based on consideration of the components.
(d) respiratory/skin sensitisation	Not classified as causing respiratory/skin sensitisation
(e) germ cell mutagenicity	Not classified for germ cell mutagenicity.
(f) carcinogenicity	Not classified for carcinogenicity.
(g) reproductive toxicity	Not classified for reproductive toxicity.
(h) STOT-single exposure	Contains no substances classified as causing systemic toxicity on single exposure.
(i) STOT-repeated exposure	Contains no substances classified as causing systemic toxicity with repeated exposure.
(j) aspiration hazard	Not applicable.

SECTION 12: Ecological Information**12.1 Toxicity**

Contains copper oxide which is considered to be very toxic in the aquatic environment and may cause long term adverse effects.

12.2 Persistence and degradability

Biodegradability is not relevant for inorganic minerals.

12.3 Bioaccumulative potential

If used as recommended no adverse effects are anticipated.

12.4 Mobility in soil

Mobility in soil is expected to be low.

12.5 Results of PBT and vPvB assessment

A PBT and vPvB assessment has not been carried out. None of the components are considered to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations**13.1 Waste treatment methods**

Do not allow runoff to sewer, waterway or ground. Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	3077	3077	3077
14.2 UN Proper shipping name	Environmentally Hazardous Substance, Solid, N.O.S.	Environmentally Hazardous Substance, Solid, N.O.S.	Environmentally Hazardous Substance, Solid, N.O.S.
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes	Yes	Yes
14.6 Special precautions for user	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe

As an animal feed additive, registration is not required under REACH. Consult supplier before using this product for any other purpose.

15.2 Chemical Safety Assessment

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

SECTION 16: Other Information**Revision information:**

This is a new SDS

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006

vPvB very Persistent, very Bioaccumulative

References:

ECHA CHEM database of disseminated registration dossier and the Classification and Labelling Inventory.

Method used for classification of mixtures:

Ingredient based approaches

H Statements used in Section 3

H400 Very toxic to aquatic life

H412 Harmful to aquatic life with long lasting effects

Training requirements for workers

No special training requirements.

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