

MAS-Power Cu

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product Name: **MAS-Power Cu**
Supplier: Engage Agro Europe Ltd
Chorley Business & Technology Centre
Euxton Lane,
Euxton, Chorley
Lancashire PR7 6TE
England
Telephone: +44 (0) 1257 226590



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

Product use: Fertiliser. For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3.

1.3 Emergency telephone

Emergency Telephone	Type of Assistance	Opening Hours
0845 4647	England and Wales: NHS Direct – Health advice and assistance	24 Hours
08454 242424	Scotland: NHS24	24 Hours

Section 2: Hazards identification

2.1 Classification of the Substance and Mixture

CLP Regulation (EC) n°1272/2008: Classification of this product has been carried out in accordance with CLP Regulation (EC) N° 1272/2008.
Not classified as dangerous

2.2 Label elements

Hazard Statements: Not classified as dangerous

Hazard Pictograms: Not classified as dangerous

2.3 Other Hazards

This products is not classified as dangerous

Section 3: Composition/information on ingredients

3.1 Substances

Hazardous ingredients	%W/W	CAS No.	EC. No.	EC Classification
Citric Acid Monohydrate	0.03	5949-29-1	201-069-1	R36
Ethylenediaminetetra acetic acid copper (II) Disodium salt	30	39208-15-6	254-356-9	R36, 37, 38
Mono Ethylene Glycol	5-6	107-21-1	203-473-3	R22

MAS-Power Cu

Section 4: First aid measures

4.1 Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention.

By inhalation: Remove casualty from exposure ensuring ones own safety whilst doing so. Consult a doctor
By skin contact: Wash immediately with plenty of water
By eye contact: Bathe the eye with running water for 15 minutes.
By Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

4.2 Most Important symptoms and effects, both acute and delayed:

Skin contact: There may be mild irritation at the site of contact
Eye contact: There may be irritation and redness
Ingestion: There may be irritation of the throat
Inhalation: No symptoms
Immediate effects can be expected after short-term exposure

Delayed/immediate effects:

4.3 Indication of any immediate medical attention and special treatment needed

TREAT SYMPTOMATICALLY. If you feel unwell seek medical advice. Show the label where possible. Show this safety data sheet to the doctor in attendance

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3 Advice for firefighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

MAS-Power Cu

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to Section 8 of SDS for personal protection details. Turn leaking containers leak side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain spillages using bunding.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Reference to other sections: Refer to Section 8

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

General conditions for storage: Keep containers tightly closed when not in use.
Store in a cool, dry, well ventilated place.

7.3 Specific end use(s)

Specific end use(s): No data is available for this product.

Section 8: Exposure controls/personal protection

8.1 Control Parameters

Substances whose occupational exposure limits have to be monitored in the work environment.
There are no exposure limits for the substances contained in the product.

DNEL (workers): Non-applicable
DNEL (General population): Non-applicable
PNEC: Non-applicable

8.2 Exposure controls



A - General security and hygiene measures in the work place

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection. The floor of the storage room must be impermeable to prevent the escape of liquids.

B - Specific Respiratory Protection

Respiratory protection not required.

C - Specific protection for the hands

Protective gloves

D - Ocular and facial protection

Safety glasses. Ensure eye bath is to hand.

E - Bodily protection

Impermeable protective clothing

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. Prevent further leakage or spillage if safe to do so

Volatile organic compounds

Non-applicable

MAS-Power Cu

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Liquid
Colour:	Brown
Oxidising properties:	No data available
Solubility in water:	Soluble
Viscosity:	No data available
Boiling point/range:	No data available
Flammable limits:	No data available
Flash point:	No data available
Autoflammability:	No data available
Relative density:	1.15-1.2
VOC:	No data available
Melting point/range:	No data available
Partition coefficient:	No data available
Viscosity:	No data available
Vapour pressure	No data available
pH	4.5-5.5

9.2 Other Information

Not applicable

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

MAS-Power Cu

10.4 Conditions to avoid

Conditions to avoid: Heat

10.5 Incompatible materials

Incompatible materials: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. Decomposition Products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1 Information on toxicological effects

None of these effects are likely to occur under normal conditions of use, provided exposure is maintained at or below relevant occupational exposure limits.

Symptoms/routes of exposure:

Inhalation: Evidence of irritant effects from normal handling and use.
Ingestion: There may be irritation of the throat.
Skin: There may be irritation and redness at the site of contact.
Eyes: There may be irritation and redness.
Immediate effects can be expected after

Delayed/immediate effects:

11.2 Specific toxicology information on the substances

No data available

MAS-Power Cu

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Bioaccumulation potential

12.4 Mobility in soil

Readily absorbed into soil

12.5 Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB

12.6 Other adverse effects

None known

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment methods: Should be disposed of by a licenced disposal company.

Disposal of packaging: Do not reuse empty containers. Dispose of empty container in compliance with local and national regulations.

MAS-Power Cu

Section 14: Transport information

14.1 UN Number

This product is not classified as dangerous for carriage.

14.2 UN proper shipping name

The product is not classified as dangerous for carriage.

14.3 Transport hazard class(es)

This product is not classified as dangerous for carriage.

14.4 Packaging group

The products is not classified as dangerous for carriage.

14.5 Environmental hazards

The product is not classified as dangerous for carriage.

14.6 Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

The product is not classified as dangerous for carriage.

Section 15: Regulatory information

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

Specific regulations:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC with amendments.
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending regulation (EC)No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
REGULATION (EC) No 1727/2008 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) of 16 December 2008 on classification, labelling and packaging of substances and mixture, amending and repealing Directives 6/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006; with amendments
Regulation (EU) No 946/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on Persistent organic Pollutants and amending Directive 79/117/EC
European Agreement Concerning the Carriage of Dangerous Goods by Road (ADR), 2015

MAS-Power Cu

15.2 Chemical Safety Assessment

Chemical safety assessment: No data available

Section 16 Other information

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Annex II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulation (EC) N° 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

Not classified as dangerous

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) n° 1272/2008:

Not classified as dangerous

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

© Engage Agro Europe

Engage Agro Europe Ltd

Chorley Business & Technology Centre | Euxton Lane | Euxton | Chorley | Lancashire PR7 6TE

T: +44 (0) 1257226590

E: info@engage-agro.com

www.engageagroeuropa.com