

MAS-Power Mg

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

1.1 Product identifier

Product Name: **MAS-Power Mg**
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

Repeated /prolonged skin contact may cause irritation.

Section 3: Composition/information on ingredients

3.1 Substances

Chemical Name	Wt. %	EINECS	CAS No.	GHS Classification according to UNECE 3rd Revised Edition
Soluble Potash	10-20	Not applicable	Not available	Not classified
Inorganic Magnesium salts	15-40	Listed in EINECS	Not available	Not Classified

MAS-Power Mg

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:** If symptoms are experienced, remove source of contamination or move victim to fresh air. Get medical advice/attention if you feel unwell.
- By skin contact:** Wash with plenty of water and soap until the chemical is removed. If irritation persists, obtain medical advice.
- By eye contact:** Immediately flush affected eye(s) with lukewarm, gently flowing water for 15 minutes or until chemical is removed, while holding the eyelid(s) open. If irritation persists, obtain medical advice.
- By Ingestion:** If swallowed, call a POISON centre or doctor/physician immediately. Rinse mouth. Take container label or product name with you when seeking medical attention.

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

- Skin contact:** Contact with the skin may cause irritation, particularly if contact is prolonged.
- Eye contact:** Direct contact with liquids and mists may cause eye irritation.
- Ingestion:** Swallowing is not an expected route of occupational exposure. May cause nausea and vomiting if swallowed.
- Inhalation:** Mists may cause irritation to the nose, throat and respiratory system.

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
If eye irritation persists or if experiencing breathing difficulties, get medical advice immediately.

Section 5: Fire-fighting measures

5.1 Extinguishing media

- Extinguishing media:** Use extinguishing media appropriate for the surrounding fire. Dry chemical, water spray, chemical foam, carbon dioxide, water fog. Use water spray to cool fire-exposed containers.

5.2 Special hazards arising from the substance or mixture

- Exposure hazards:** Not flammable or combustible

5.3 Advice for firefighters

- Advice for fire-fighters:** Fire fighters should wear full protective gear including self-contained breathing apparatus.

MAS-Power Mg

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear gloves and protective clothing. Ventilate the area.

6.2 Environmental precautions

Environmental precautions: Do not allow product to reach natural waterways or ground water. Fertiliser products may be harmful to livestock and wildlife if swallowed. Clean up any spilled fertiliser products immediately, particularly where bulk quantities of fertilisers are handled. If products has escaped into water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Stop leak if it can be done without risk. Soak up the spilled liquid using a suitable inert absorbent. Collect product and contaminated absorbent and place in suitable, labelled containers for proper disposal. Clean the spill area with plenty of water.

6.4 Reference to other sections

Reference to other sections: Refer to Section 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Keep out of reach of children. Read the label before using. Do not breathe mist/spray. Do not ingest. Avoid contact with the eyes. Wash hands thoroughly after handling and before eating or smoking.

7.2 Conditions for safe storage, including any incompatibilities

General conditions for storage: Store in suitable, labelled containers, preferably the supplier container. Protect from damage. It is good practice to keep storage containers closed when not in use and when empty. Protect from freezing. Keep out of the reach of children.

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. Consult local authorities for acceptable exposure limits

MAS-Power Mg

8.2 Exposure controls



A - General security and hygiene measures in the work place

Good general ventilation is normally adequate. In closed workplaces where decomposition product sulphur dioxide may be generated, provide local exhaust ventilation. In workplaces where this product is handled in bulk quantities, have an eyewash station fountain available in the work area. Wash hands thoroughly after handling and before eating or smoking.

B - Specific Respiratory Protection

If ventilation and other engineering controls and work practices are not effective in controlling exposure to mists/aerosols of this material or decomposition products, then wear suitable personal protective equipment including approved respiratory protective equipment (RPE). In workplaces where respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

C - Specific protection for the hands

Wear water impervious protective gloves.

D - Ocular and facial protection

Wear chemical safety goggles. Where splashing is possible wear a face-shield.

E - Bodily protection

Remove contaminated clothing and wash before re-use.

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 Mg

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid, off-white
Odour:	No distinctive odour
Odour threshold:	No data available
pH:	6-7
Melting/freezing point:	Similar to water
Boiling point/range:	Similar to water
Flash Point:	Not applicable
Flammability:	Non-flammable
Auto-ignition temperature:	Not applicable
Explosive properties:	Non-explosive
Oxidising properties:	Non-oxidising
Sensitivity to mechanical impact:	No data available
Sensitivity to static charge:	No data available
Vapour pressure:	Not applicable
Vapour density:	No data available
Relative density:	1.21
Solubility:	Soluble in water
Partition coefficient:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

9.2 Other Information

Not applicable

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: Not classified for reactivity hazards

10.2 Chemical stability

Chemical stability: Stable

10.3 Possibility of hazardous reactions

Hazardous reactions: Use caution when mixing this product with other agricultural chemicals. Some chemicals may be incompatible. Contact the supplier for further information.

MAS-Power Mg

10.4 Conditions to avoid

Conditions to avoid: Avoid prolonged exposure to high temperatures.

10.5 Incompatible materials

Incompatible materials: Strong bases. Hypochlorite bleach.

10.6 Hazardous decomposition products

Haz. Decomposition Products: No data available

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute health effects:

Inhalation: Data are not available for the mixture. Based on information for the component substances, over-exposure to mists/aerosols may be irritating to the nasal passages and upper respiratory tract.

Ingestion: Data not available for the mixture

Skin: Data not available for the mixture

Eyes: Data is not available for the mixture. Based on information for the component substances, direct contact may cause temporary eye irritation.

Acute Toxicity Data:

Component	LD50 Inhalation (mg/L, 4 hrs.)	LD50 Dermal (mg/kg)	LD50 Oral mg/kg
MAS-Power Mg	No data available	No data available	No data available
Magnesium salts	No data available	No data available	>5000 (mouse)

Chronic health effects: No data available

Sensitisation: No data available

Neurological effects: No data available

Genetic effects: No data available

Reproductive effects: No data available

Developmental effects: No data available

Target organ effects: No data available

Carcinogenicity: This products does not contain any component that is considered a human carcinogen by IARC (international agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA or NTP (National Toxicity Program).

11.2 Specific toxicology information on the substances

No data available

MAS-Power Mg

Section 12: Ecological information

12.1 Toxicity

This fertiliser product will release plant nutrients in the aquatic environment. Fertilisers cause algal growth in aquatic environments which may increase turbidity and deplete oxygen resulting in a hazard to fish and other aquatic organisms.

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

Not expected to be bioaccumulative

12.4 Mobility in soil

Completely soluble in water.

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:** Dispose of waste in accordance with relevant national, regional and local environmental control provisions. Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment wash water.
- Disposal of packaging:** Container contents should be completely used and the containers rinsed prior to discard. Consult local waste regulators for proper disposal.

MAS-Power Mg

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 Mg

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