

MAS-Power Fe

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

1.1 Product identifier

Product Name: **MAS-Power Fe**
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.
Skin Irrit.2: H315
Eye Irrit. 2: H319
Acute Tox. 4: H302

2.2 Label elements

Hazard Statements: Skin Irrit. 2: H315 - Causes skin irritation
Eye Irrit. 2: H319 - Causes serious eye irritation
Acute Tox. 4: H302 - Harmful if swallowed

Hazard Pictograms:



Signal Words: Warning
Precautionary Statement: P280 - Wear Protective gloves/protective clothing/eye protection/face protection
Prevention
Precautionary Statement: Response
Precautionary Statement: P403+233 - Store in a well ventilated place. Keep container tightly closed.
Storage
Precautionary Statement: Disposal

MAS-Power Fe

2.3 Other Hazards

Not applicable

Section 3: Composition/information on ingredients

3.1 Substances

Hazardous ingredients	%W/W	CAS No.	EC. No.	EC Classification
Iron sulphate heptahydrate	30-35	7782-63-0	231-753-5	Skin Irrit. 2: H315, Eye Irrit. 2: H319, Acute Tox. 4: H302
Citric acid monohydrate	<1	5949-29-1	201-069-1	Eye Irrit. 2: H319

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 inhaled move person to fresh air. If not breathing give artificial respiration. Seek medical advice.
- By skin contact:** Wash areas with soap and plenty of water. Seek medical advice.
- By eye contact:** Rinse eyes with water for at least 15 minutes. Seek medical advice.
- By ingestion:** Rinse mouth with water. Seek medical advice.

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

Most important known symptoms and effects are described in Section 2.

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: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: No data available

5.3 Advice for firefighters

Advice for fire-fighters: Use self-contained breathing apparatus for firefighters if necessary.

MAS-Power Fe

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions: Prevent further spillages if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: In the event of a spillage, evacuate area and attempt to contain and absorb with sand, earth or other inert material. Sweep up and place waste in sealed containers. Contact local authority for controlled waste disposal.

6.4 Reference to other sections

Reference to other sections: -

Section 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Always use PPE when handling/transporting chemicals.

7.2 Conditions for safe storage, including any incompatibilities

General conditions for storage: Keep containers tightly closed when not in use. Store in a 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

MAS-Power Fe

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.

B - Specific Respiratory Protection

When necessary use of a full-face particle respirator is recommended.

C - Specific protection for the hands

Chemical resistant gloves (i.e. nitrile) should be worn at all times when handling this material.

D - Ocular and facial protection

Use safety glasses

E - Bodily protection

Contaminated clothing should be thoroughly cleaned.

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 Fe

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Pale orange/brown
Odour:	No data available
pH (value):	2.2-3.2
Boiling point:	No data available
Flash point:	No data available
Flammable limits:	Non-flammable
Explosive properties:	Not predicted to be explosive
Oxidising properties:	No data available
Vapour pressure:	No data available
Density:	S.G. = 1.15-1.2
Solubility (water):	No data available
Solubility (other):	No data available
Viscosity:	No data available
Vapour density:	No data available
Relative evaporation rate:	No data available

9.2 Other Information

Not applicable

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity: No data available

10.2 Chemical stability

Chemical stability: No data available

10.3 Possibility of hazardous reactions

Hazardous reactions: None known

MAS-Power Fe

10.4 Conditions to avoid

Conditions to avoid: No data available

10.5 Incompatible materials

Incompatible materials: None known

10.6 Hazardous decomposition products

Haz. Decomposition Products: No data available

Section 11: Toxicological information

11.1 Information on toxicological effects

Inhalation: No data available
Ingestion: No data available
Skin: No data available
Eyes: No data available
Long term exposure: No data available

11.2 Specific toxicology information on the substances

No data available

MAS-Power Fe

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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: Small amounts can be flushed down drains with copious water. Larger amounts should be disposed of by a licenced disposal company.

Disposal of packaging: Do not re-use packaging for any other purpose. Use of a licences waste removal company is recommended.

MAS-Power Fe

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 Fe

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:

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H303 - Harmful if swallowed

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:

Skin Irrit. 2: H315 - Causes skin irritation

Eye Irrit. 2: H319 - Causes serious eye irritation

Acute Tox. 4: H302 - Harmful if swallowed

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.

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