



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Ferromex (MAPP 16895) AM

Revision 15
Revision date 2021-03-03

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

1.1. Product identifier

Product name Ferromex (MAPP 16895) AM

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

Product Use [SU21] Consumer uses: Private households (= general public = consumers); [PC27] Plant protection products; [ERC8e] Wide dispersive outdoor use of reactive substances in open systems;
Description Mosskiller for turf.

1.3. Details of the supplier of the safety data sheet

Company Omex Agriculture Ltd
Address Bardney Airfield
Tupholme
Lincoln
LN3 5TP
United Kingdom
Web www.omex.co.uk
Telephone 01526 396000
Fax 01526 396001
Email enquire@omex.com
Email address of the competent person Safety@omex.com

1.4. Emergency telephone number

Emergency telephone number +44 (0) 1553817500

SECTION 2: Hazards identification

2.2. Label elements

Risk phrases No Significant Hazard

2.3. Other hazards

Other hazards None.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Iron (II) Sulphate Heptahydrate		7782-63-0	231-753-5		20 - 30%	Eye Irrit. 2: H319;
Organic Acid		5949-29-1	201-069-1	01-2119457026-42	1 - 10%	Eye Irrit. 2: H319;

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Inhalation of vapour may cause shortness of breath. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water.
Skin contact	No sensitization effects reported. Wash with soap and water.
Ingestion	May cause irritation to mucous membranes.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. CAUTION. Clean hard surfaces with lots of water as product may stain.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See section 2, 8, 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

For use as a mosskiller in turf.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Iron (II) Sulphate Heptahydrate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ : 1mg/m ³ as Fe
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ : 2mg/m ³ as Fe
	WEL 8-hr limit mg/m ³ total inhalable dust:	WEL 15 min limit mg/m ³ total inhalable dust:
	WEL 8-hr limit mg/m ³ total respirable dust:	WEL 15 min limit mg/m ³ total respirable dust:

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear protective clothing.

Eye / face protection

In case of splashing, wear: Eye protection to the E166 standard should be worn to minimise contact.

Skin protection - Handprotection

Chemical resistant gloves (PVC). Wear gloves. Gloves must be in accordance with EN ISO 374 Type B, and pass the ISO16523-1 chemical permeation test at level 3 with chemicals K & L for short-term handling operations. Consult your glove supplier for advice on gloves if they are to be used for longer than 30 minutes. Good glove hygiene and housekeeping practices should be followed.

Skin protection - Other

Cover skin to minimise contact. Remove and wash contaminated clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Aqueous solution
Colour	Green
Odour	Odourless
Relative density	1.18 - 1.22 (H ₂ O = 1 @ 20 °C)
Partition coefficient	Not determined
Viscosity	Not determined
Melting point	Not determined
Evaporation rate	Not determined
Vapour pressure	Not determined
Vapour density	No data available
Oxidising properties	No data available
Initial boiling point	> 100 °C
pH	< 2.5
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive properties	Not applicable.
Autoignition temperature	Not applicable.
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.18 - 1.22 g/cm ³
Benzene Content	Not determined
Lead content	Not determined
VOC (Volatile organic compounds)	Not determined
Surface tension	Not determined
Conductivity	Not applicable.
Gas group	Not applicable.

Water solubility

	Soluble in water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid contact with: Strong bases.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	Burning produces obnoxious and irritating fumes.
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10.5. Incompatible materials

	Strong bases.
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10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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11.1. Information on toxicological effects

Acute toxicity No data is available on this product.

11.1.4. Toxicological Information

Iron (II) Sulphate Heptahydrate	Dermal Rat LD50: >2000mg/kg Oral Mouse LD50: 1.520mg/kg Inhalation Rat LC50/4 h: No data	Oral Rat LD50: 300-2000mg/kg Dermal Rabbit LD50: no data
Organic Acid	Oral Rat LD50: >2000	Oral Mouse LD50: 5400

SECTION 12: Ecological information

12.1. Toxicity

Not determined
No data is available on this product.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

	Ferromex (MAPP 16895) AM Not determined Organic Acid Not determined	Iron (II) Sulphate Heptahydrate Not applicable.
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12.4. Mobility in soil

Miscible in water.

12.5. Results of PBT and vPvB assessment

Caution - substance not yet fully tested.

12.6. Other adverse effects

May cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

14.1. UN number

The 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)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

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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

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. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: <ul style="list-style-type: none"> 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 9 - 9.1. Information on basic physical and chemical properties (PH).
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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