

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY

1.1 Product identifier

Sea-G 7-2-7 +3MgO+2Fe

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

Recommended uses Fertiliser. For professional use only.

Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Terralift Ireland Ltd, UK Office: PO Box 934, Stockport, SK5 9BP, United Kingdom

Tel: +44(0)1778380005 Fax: +44(0)1778348835 Email: admin@terralift.eu

1.4 Emergency telephone number

Tel: +44(0)1778380005

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Mixture

Regulation (EC) No. 1272/2008: None

2.2 Label elements

Pictogram(s) None

Signal word: None

Hazard statements: None

Precautionary statements: None

Other hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

| Hazardous ingredients | EC-No | CAS number | REACH registration | Classification according to Regulation (EC). 1272/2008 (CLP) | Weight % |
|---|-----------|------------|--------------------|--|----------|
| Iron sulphate FeSO ₄ .7H ₂ O | 231-753-5 | 7782-63-0 | 01-2119513203-57 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) | <10% |

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice Show this SDS to the doctor in attendance. First responder needs to protect themselves.

Inhalation Remove to fresh air and seek medical aid.

Skin Contact: Wash with water. Remove and wash contaminated clothing. If skin irritation occurs, get medical advice/attention

Eye Contact: Rinse thoroughly with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, get medical advice/attention.

Ingestion: Rinse out mouth with plenty of water and seek medical aid immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None under normal processing

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use water, water spray, dry powder, foam or carbon dioxide.
 Unsuitable extinguishing media High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: May produce fumes if heated.

5.3 Advice for fire fighters

Coordinate fire extinguishing measures to fire in surrounding area.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation. Wear personal protective equipment.
 Evacuate personnel to safe areas.

For emergency responders Use personal protection recommended in section 8.

6.2 Environmental precautions

Prevent material or washings entering water courses

6.3 Methods and material for containment and cleaning up

Methods for containment Sweep up spills carefully to minimise dust/spread of material.
 Methods for clean-up Transfer to heavy-duty plastic bags or drums and keep safe for disposal. If material is uncontaminated reuse as recommended for product.

6.4 Reference to other sections

Section 8 and 13

7. HANDLING & STORAGE

7.1 Precautions for safe handling

General occupational hygiene advice Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions Store in original containers, tightly closed in a secure, well ventilated area.

Packaging materials: 20 kg polythene bags

Other advice For quality reasons store under dry conditions, out of direct sunlight, do not double stack pallets of product. Shelf life 2 years. Partly used bags should be closed well.

7.3 Specific end use(s)

Specific uses Fertiliser. Follow label instructions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Iron Sulphate FeSO₄.7H₂O | |
|---|---|
| Belgium – 8 Hr TWA | 1mg/m ³ |
| Denmark | TWA: 1mg/m ³ |
| Finland | TWA: 1mg/m ³ |
| Ireland | TWA: 1mg/m ³ STEL: 2mg/m ³ |
| Norway | TWA: 1mg/m ³ STEL: 2mg/m ³ |
| Portugal | TWA: 1mg/m ³ |
| Spain OEL – TWA | TWA: 1mg/m ³ |
| Switzerland | TWA: 1mg/m ³ |
| UK oes/mel | TWA: 1mg/m ³ |

8.2 Exposure controls

Personal protective equipment

Eye / face protection: No special protective equipment required. Safety glasses recommended.

| | |
|--|---|
| Skin and body protection: | No special protective equipment required. Suitable work wear recommended. |
| Respiratory protection: | Not required unless working in a confined space. If exposure is likely to exceed OEL concentrations, use a combination particle/vapour filter mask (minimum 10 times OEL) |
| Hand protection: | No special protective equipment required. Work gloves recommended. |
| Work / Hygienic practices: | Wash hands before eating, drinking or smoking. |
| Environmental exposure controls | Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. |

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|------------------------------|--|
| Appearance: | Homogenous granule, brown |
| Odour: | Light odour |
| pH: | 6.5 – 7.2 |
| Melting point/freezing point | No data available |
| Boiling point/range | No data available |
| Flash point: | Not applicable |
| Evaporation rate | Not applicable |
| Flammability (solid, gas): | Non-flammable |
| Vapour pressure: | Not applicable |
| Vapour density | Not applicable |
| Specific gravity: | 760g/l |
| Water solubility: | Slightly soluble |
| Solubility(ies) | No data available |
| Partition coefficient | Not applicable |
| Autoignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Explosive properties | Does not present explosion hazard (based on data of ingredients) |
| Oxidising properties: | No data available |

9.2 Other information

Not applicable

10. STABILITY & REACTIVITY

10.1 Reactivity

Not reactive.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Extremes of temperature

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None under normal processing

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

| | |
|--------------------------|---|
| In case of ingestion: | May cause nausea or irritation to digestive system. |
| In case of skin contact: | Causes skin irritation. |
| In case of inhalation: | May cause irritation of the respiratory tract. |
| In case of eye contact: | May cause irritation to the eyes |

Symptoms related to the physical, chemical and toxicological characteristics:

No information available

Acute toxicity

ATEmix (oral) 7,142 mg/kg (calculated)

| Ingredients | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|-------------------|--------------------|----------------------------|
| Ferrous sulphate FeSO ₄ .7H ₂ O | 1,096 mg/kg (rat) | >2,000 mg/kg (rat) | No relevant data available |

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

| | |
|-----------------------------------|--------------------------|
| Skin corrosion/irritation | No information available |
| Serious eye damage/eye irritation | No information available |
| Respiratory or skin sensitisation | No information available |
| Germ cell mutagenicity | No information available |
| Carcinogenicity | No information available |
| Reproductive toxicity | No information available |
| STOT-single exposure | No information available |
| STOT-repeated exposure | No information available |
| Aspiration hazard | No information available |

Absence of specific data

No test data is available for the mixture as a whole. Data on ingredient substances has been provided where relevant.

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecotoxicity: Do not allow product to enter the environment uncontrolled.

| Ingredients | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Ferrous sulphate FeSO ₄ .7H ₂ O | Data are experimentally inaccessible | Data are experimentally inaccessible | Data are experimentally inaccessible | Data are experimentally inaccessible |

12.2 Persistence and degradability

Unlikely to accumulate in the environment (based on ingredient properties)

12.3 Bio accumulative potential

Low potential (based on ingredient properties)

12.4 Mobility in soil

Low potential for adsorption (based on ingredient properties)

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product / packaging disposal Dispose of waste and packaging through a waste disposal contractor in accordance with local laws.

14. TRANSPORT INFORMATION

| | |
|---|---------------|
| 14.1 UN-No: | Not regulated |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard class | Not regulated |
| 14.4 Hazard group | Not regulated |
| 14.5 Packing group | Not regulated |
| 14.6 Marine pollutant | Not regulated |
| 14.7 Environmental hazards | Not regulated |
| 14.8 Special provisions for user | None |

15. REGULATORY INFORMATION

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

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: EU-GHS; Classification, Labelling and Packaging

EC No: European Community number

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

OEL: Occupational Exposure Limit

STEL: Short-term exposure limit

TWA: Time Weighted Average

Key literature references

EC Regulation 1907/2006 (Reach), Regulation EU No. 2015/830, Regulation (EC) No 1272/2008.

Classification procedure

- Calculation method
- Expert judgment and weight of evidence determination

Issue date

13-Jan-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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