



Safety Data Sheet

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Version: 3.02

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name: Greenmaster ProLite 12-0-12+3MgO+2Fe
Product Code 52170125DA
Synonyms: Greenmaster ProLite 12-0-10+1.8Mg+2Fe

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

Recommended Use: Fertilizer
 Restricted to professional users
Uses Advised Against: Consumer use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Everris International BV
 Nijverheidsweg 1-5; 6422 PD Heerlen (NL)
 Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

For further information, please contact

INFO-MSDS@EVERRIS.COM

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture

Regulation (EC) No 1272/2008

Skin Corrosion or Irritation	Category 2 - (H315)
Serious Eye Damage or Eye Irritation	Category 1 - (H318)

Classification according 67/548/EC and 88/379/EC or 1999/45/EC

The product is classified and labelled in accordance with Directive 1999/45/EC

Xi - Irritant

Xi



R-code(s)

R41

Full text of R-phrases: see section 16

2.2. Label elements

Product Identifier:**Signal Word:**

Danger

Hazard Statements:

H318 - Causes serious eye damage

H315 - Causes skin irritation

Contains Iron sulphate; $FeSO_4 \cdot 1H_2O$, Potassium sulphate; K_2SO_4 , Single Super Phosphate; SSP**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

Other hazards (UN-GHS)

MAY BE HARMFUL IF SWALLOWED. Harmful to aquatic life.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Ingredients	EC-No.	CAS-No	Weight %	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Potassium sulphate; K_2SO_4	231-915-5	7778-80-5	10 - 25%	Xi;R41	Eye Dam. 1 (H318)	01-2119489441-34
Urea	200-315-5	57-13-6	10 - 25%	NE	Not classified	01-2119463277-33
Iron sulphate; $FeSO_4 \cdot 1H_2O$	231-753-5	7720-78-7	10 - 25%	Xn; R22 Xi; R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119513203-57
Single Super Phosphate; SSP	232-379-5	8011-76-5	5 - 10%	Xi;R41	Eye Dam. 1 (H318)	01-2119488967-11
Magnesium oxide; MgO	215-171-9	1309-48-4	1 - 5%	NE	Not classified	Exempt

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice: First aid measures should be executed by trained personnel only.

Inhalation: Move person to fresh air. If symptoms persist, call a physician.

Skin Contact:	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion:	Rinse mouth. Do NOT induce vomiting. If symptoms persist, call a physician.
Protection of First-Aiders:	Low hazard for usual industrial or commercial handling.

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 to Physician: None under normal processing.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO₂, water spray or "alcohol" foam.

Unsuitable extinguishing media:

High volume water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Coordinate fire extinguishing measures to fire in surrounding area.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleanup: Avoid dust formation. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

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 container. Keep tightly closed in a dry and cool place. Keep away from food, drink and animal feeding stuffs. Protect from extreme temperatures.

LGK (Germany)
Packaging Materials:

13
Bags or Bulk.

7.3. Specific end use(s)

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<i>Potassium sulphate; K₂SO₄</i>	
Latvia - Occupational Exposure Limits - TWAs	10 mg/m ³ TWA
Bulgaria - Occupational Exposure Limits - TWAs	10.0 mg/m ³ TWA
<i>Urea</i>	
Latvia - Occupational Exposure Limits - TWAs	10 mg/m ³ TWA
Bulgaria - Occupational Exposure Limits - TWAs	10.0 mg/m ³ TWA
Norway	TWA: 30 µg Hg/g Creatinine STEL: 45 µg Hg/g Creatinine
<i>Iron sulphate; FeSO₄·1H₂O</i>	
UK oes/mel:	TWA: 1 mg/m ³
Spain Occupational Exposure Limits Data - Time Weighted Average (TWA):	TWA: 1 mg/m ³
Portugal	TWA: 1 mg/m ³
Netherlands - OEL - MACs:	1 mg/m ³
Finland - Occupational Exposure Limits - 8 hour	1 mg/m ³
Finland	TWA: 1 mg/m ³
Denmark	TWA: 1 mg/m ³
Switzerland	TWA: 1 mg/m ³
Norway	TWA: 1 mg/m ³ STEL: 3 mg/m ³
Ireland	TWA: 1 mg/m ³ STEL: 2 mg/m ³
<i>Single Super Phosphate; SSP</i>	
Bulgaria - Occupational Exposure Limits - TWAs	5.0 mg/m ³ TWA (regulated under Double superphosphate)
<i>Magnesium oxide; MgO</i>	
UK oes/mel:	STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 10 mg/m ³
Bulgaria - Occupational Exposure Limits - TWAs	10.0 mg/m ³ TWA
Czech Republic OEL	5 mg/m ³ TWA
Spain Occupational Exposure Limits Data - Time Weighted Average (TWA):	TWA: 10 mg/m ³
Iceland - OEL - 8 Hour	6 mg/m ³ TWA Mg
Portugal	TWA: 10 mg/m ³
Netherlands - OEL - MACs:	10 mg/m ³
Portugal - TWAs	10 mg/m ³ TWA
Denmark	TWA: 6 mg/m ³
Austria	STEL 20 mg/m ³ STEL 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³
Switzerland	TWA: 3 mg/m ³
Poland	TWA: 5 mg/m ³ TWA: 10 mg/m ³
Norway	TWA: 10 mg/m ³ STEL: 20 mg/m ³

Ireland	TWA: 4 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³
France - Valeurs Limites d'exposition (VLE)	10 mg/m ³

Derived No Effect Level (DNEL)

No data available

Predicted No Effect Concentration (PNEC)

No data available.

8.2. Exposure controls**Engineering Measures to Reduce Exposure:**

Personal protective equipment is not normally required - gloves can be worn for personal hygiene. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below).

Personal protective equipment

Eye/Face Protection:

Safety glasses with side-shields

Hand protection:

Nitrile rubber (0.26 mm). Break through time. > 8 h.

Respiratory Protection:

Effective dust mask

Skin and Body Protection:

Lightweight protective clothing Rubber or plastic boots

Hygiene Measures:

When using, do not eat, drink or smoke. Wash hands before stopping and immediately after handling. Remove and wash contaminated clothing before re-use.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical State:**

Solid

Color:

light grey, beige.

Odor:

Not significant

pH:

no data available

Melting Point/Freezing Point:

no data available

Boiling Point/Range:

Solid, not applicable

Flash Point:

Solid, not applicable

Evaporation Rate:

Solid, not applicable

Flammability (solid, gas):

Non-flammable

Vapor Pressure:

Solid, not applicable

Vapor Density:

Solid, not applicable

Specific Gravity:

no data available

Water Solubility:

Soluble in water

Solubility(ies)

no data available

Partition Coefficient:

Solid, not applicable

Autoignition Temperature:

not applicable

Decomposition Temperature:

no data available

Explosive Properties:

Doesn't present explosion hazard. Based on data of ingredients.

9.2. Other information**Bulk density:**+/- 1000 kg/m³**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not reactive.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous Decomposition Products:

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions:

None under normal processing.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials

Strong oxidizing agents. Acids and bases. Strong reducing agents. Flammable materials.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Acute Toxicity****Product Information:**

Inhalation:	May cause irritation of respiratory tract.
Eye Contact:	Causes serious eye damage.
Skin Contact:	May cause irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Unknown Acute Toxicity:	0% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document:	
ATEmix (oral):	3,781.00 mg/kg

Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium sulphate; K2SO4	= 6600 mg/kg (Rat)		
Iron sulphate; FeSO4+1H2O	= 500 mg/kg (Rat)		

Skin Corrosion or Irritation

See also section 3.

Serious Eye Damage or Eye Irritation

See also section 3.

Sensitization

See also section 3.

Mutagenic effects

See also section 3.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive Toxicity**Teratogenicity**

No data available.

STOT - Single Exposure

No known effects under normal use conditions.

STOT - Repeated Exposure

None under normal use conditions.

Aspiration Hazard

No data available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Do not allow product to enter the environment uncontrolled.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Crustacea
Potassium sulphate; K2SO4	2900: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	3550: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 510 - 880: 96 h <i>Pimephales promelas</i> mg/L LC50 static 653: 96 h <i>Lepomis macrochirus</i> mg/L LC50	890: 48 h <i>Daphnia magna</i> mg/L EC50

Urea		16200 - 18300: 96 h Poecilia reticulata mg/L LC50	3910: 48 h Daphnia magna mg/L EC50 Static
Iron sulphate; FeSO ₄ +1H ₂ O		925: 96 h Poecilia reticulata mg/L	152: 48 h Daphnia magna mg/L

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Ingredients	LOGPOW
Urea	-1.59

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

not applicable

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Disposal of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging:

Do not re-use empty containers. Dispose of as unused product.

Other Information:

Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG**14.1****UN-No:**

Not regulated

14.2**Proper shipping name:**

Not regulated

14.3**Hazard Class:**

Not regulated

14.4**Packing group:**

Not regulated

14.5**Marine Pollutant:**

Not regulated

14.6**Special Provisions**

None

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

Not regulated

ADR/RID**14.1****UN-No:**

Not regulated

14.2**Proper shipping name:**

Not regulated

14.3**Hazard Class:**

Not regulated

14.4**Packing group:**

Not regulated

14.5**Environmental Hazard**

Not regulated

14.6

Special Provisions None

IATA

14.1
UN-No: Not regulated
14.2
Proper shipping name: Not regulated
14.3
Hazard Class: Not regulated
14.4
Packing group: Not regulated
14.5
Environmental Hazard Not regulated
14.6
Special Provisions None

Section 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations***France*

ICPE (FR): Not regulated

Germany

Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

LGK (Germany) 13

Water Endangering Class (WGK): 1 (Everris classification)

Component	German WGK Section
Potassium sulphate; K ₂ SO ₄ 7778-80-5 (10 - 25%)	class 1
Urea 57-13-6 (10 - 25%)	class 1
Iron sulphate; FeSO ₄ +1H ₂ O 7720-78-7 (10 - 25%)	class 1
Magnesium oxide; MgO 1309-48-4 (1 - 5%)	class 1

European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

15.2. Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

Section 16: OTHER INFORMATION**Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

R36/38 - Irritating to eyes and skin

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H302 - Harmful if swallowed
H318 - Causes serious eye damage

Key or legend to abbreviations and acronyms used in the safety data sheet

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ICAO: International Civil Aviation Organization
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PNEC: Predicted No Effect Concentration
DNEL: Derived No-Effect Level
Reach: Registration, Evaluation, authorization of Chemicals
CLP: EU-GHS; Classification, Labelling and Packaging
OEL: Occupational Exposure Limit
TWA: Time Weighted Average
ATE: Acute Toxicity Estimate
EUH statement: CLP (EU) specific hazard statement.

Classification procedure:

- Calculation method
- Expert judgment and weight of evidence determination

Key literature references and sources for data

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010
Regulation (EC) No 1272/2008

Prepared by:

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

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End of Safety Data Sheet