Safety Data Sheet

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Last Revision Date 30-Nov-2021

Version: 1

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

1.1. Product identifier Product Name Product Code Unique Formula Identifier (UFI) Pure substance/mixture

Greenmaster Pro-Lite Autumn Mg 6-5-11+3MgO+0.5Fe 5218-125HA 60FF-M00E-W000-AU9M Mixture

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

Recommended Use	Fertilizer (PC12). Restricted to professional users.
Uses Advised Against	Consumer use (SU21)

Reason why uses advised against Use advised against in Chemical Safety Assessment per REACH Annex I point 7 2.3

1.3. Details of the supplier of the safety data sheet

Everris International B.V.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 Non-Emergency Telephone Number +31 (0) 418655700

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24/7)

Europe	112	
Austria	+43 1 406 43 43	
Belgium	070 245 245	
Denmark	+45 8212 1212	
Finland	0800 147 111	
France	+ 33 (0)1 45 42 59	
Ireland	01 809 2566	
Netherlands	+31 88 75 585 61	
Norway	+45 735 80500	
Poland	+48 42 2538 400	
Portugal	+351 800 250 250	
Spain	+34 91 562 04 20	
Sweden	112	
Switzerland	Tox Info Switzerland 145 (24h)	
United Kingdom	111	

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2 - (H319)

2.2. Label elements



Warning

Hazard statements H319 - Causes serious eye irritation

Precautionary Statements - EU (528, 1272/2008)

P280 - Wear eye protection/ face protection P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

Causes mild skin irritation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number	M-Factor	M-Factor (long-term)
Potassium sulphate; K ₂ SO ₄ (7778-80-5)	231-915-5	10 - 25%	Eye Irrit. 2 (H319)	-	01-2119489441-34	-	-
Iron sulphate; FeSO4+1H2O (7720-78-7)	231-753-5	1 - 5%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	-	01-2119513203-57	-	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L
Potassium sulphate; K ₂ SO ₄	6600	No data available	No data available
Iron sulphate; FeSO4+1H2O	319	No data available	No data available

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation	Remove to fresh air.			
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.			
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.			
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.			
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).			
4.2. Most important symptoms and	d effects, both acute and delayed			
Symptoms	May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.			
4.3. Indication of any immediate medical attention and special treatment needed				
Note to physicians	Treat symptomatically.			

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.				
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.				
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.				
5.2. Special hazards arising from the substance or mixture					
Hazardous Combustion Products	Thermal decomposition can lead to release of toxic/corrosive gases and vapors.				
5.3. Advice for firefighters					

Special protective equipment and
precautions for fire-fightersFirefighters should wear self-contained breathing apparatus and full firefighting turnout
gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8. Prevent entry into waterways, sewers, basements or confined areas.
6.2. Environmental precautions	
Environmental precautions	See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up				
Methods for containment	Methods for containment Prevent further leakage or spillage if safe to do so.			
Methods for cleaning upTake up mechanically, placing in appropriate containers for disposal. Use up produ completely. Packaging material is industrial waste.				
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.			
6.4. Reference to other sections				
Reference to other sections See section 8 for more information. See section 13 for more information.				

SECTION 7: Handling and storage

7.1. Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with Advice on safe handling skin, eyes or clothing. Do not eat, drink or smoke when using this product. **General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. 7.2. Conditions for safe storage, including any incompatibilities **Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in original container, tightly closed in a safe place. **Packaging materials** 7.3. Specific end use(s) Fertilizer. Specific use(s) Mixture. Not required. **Exposure scenario** The information required is contained in this Safety Data Sheet. **Risk Management Methods (RMM) Other Information** LGK (Germany) TRGS 510 13

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Potassium sulphate; K ₂ SO ₄	-	-	-	TWA: 10.0 mg/m ³	-
Iron sulphate; FeSO4+1H2O	-	-	TWA: 1 mg/m ³	TWA: 1.0 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Iron sulphate; FeSO4+1H2O	-	-	TWA: 1 mg/m ³	-	TWA: 1 mg/m ³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Iron sulphate; FeSO4+1H2O	-	-	-	TWA: 1 mg/m ³ STEL: 2 mg/m ³	-

Chemical name	Italy	Latvia	Lithuania	Luxembourg	Netherlands
Potassium sulphate; K ₂ SO ₄	-	TWA: 10 mg/m ³	TWA: 10 mg/m ³	-	-
Chemical name	Norway	Poland	Portugal	Romania	Slovakia
Iron sulphate; FeSO4+1H2O	TWA: 1 mg/m ³ STEL: 3 mg/m ³	-	TWA: 1 mg/m ³	-	-
Chemical name	Slovenia	Spain	Sweden	Switzerland	United Kingdom
Iron sulphate; FeSO4+1H2O	-	TWA: 1 mg/m ³	-	TWA: 1 mg/m ³	TWA: 1 mg/m ³

Biological occupational exposure limits

Derived No Effect Level (DNEL) Predicted No Effect Concentration (PNEC)	No information available. No information available.
8.2. Exposure controls	
Personal protective equipment	Wear normal, light working clothing
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties				
Physical state	Solid			
Appearance:	Granules			
Color:	light brown			
Odor:	Fertilizer.			
Property	Values	Remarks • Method		
Melting Point/Freezing Point:	No data available	None known		
Boiling Point/Range:	No data available	None known		
Flammability (solid, gas):	No data available	None known		
Flammability Limits in Air:		None known		
Upper Flammability Limit:	No data available			
Lower Flammability Limit:	No data available			
Flash Point:	No data available	None known		
Autoignition Temperature:	No data available	None known		
Decomposition Temperature:		None known		
pH	No data available	None known		
pH (as aqueous solution)	No data available	None known		

Kinematic Viscosity:	No data available	None known
Dynamic Viscosity:	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition Coefficient:	No data available	None known
Vapor Pressure:	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Density:	No data available	
Vapour density	No data available	None known
Particle characteristics		
Particle Size	No data available	
Particle Size Distribution	No data available	

9.2. Other information

9.2.1. Information with regard to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive.	
10.2. Chemical stability		
Stability	Stable under normal conditions.	
Specific methods: Sensitivity to mechanical impact Sensitivity to static discharge	Not sensitive. Not sensitive.	
10.3. Possibility of hazardous reaction	ons	
Possibility of hazardous reactions	None under normal processing.	
10.4. Conditions to avoid		
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.	
10.5. Incompatible materials		
Incompatible materials	Keep away from catalysts like derivates of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.	
10.6. Hazardous decomposition proc	ducts	
Hazardous Decomposition Products	None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.	

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.	
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.	
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation.	
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
Symptoms related to the physical, chemical and toxicological characteristics		
Symptoms	May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.	

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral)16,129.00 mg/kg

0 % of the mixture consists of ingredient(s) of unknown toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium sulphate; K ₂ SO ₄	= 6600 mg/kg (Rat)	-	-
Iron sulphate; FeSO4+1H2O	= 500 mg/kg (Rat)	-	-

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

Skin corrosion/irritation	May cause skin irritation. Classification based on data available for ingredients.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Endocrine disrupting properties	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met This product does not contain any known or suspected endocrine disruptors.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity

Contains 13 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium sulphate; K ₂ SO ₄	EC50: =2900mg/L (72h, Desmodesmus subspicatus)	LC50: 510 - 880mg/L (96h, Pimephales promelas) LC50: =3550mg/L (96h, Lepomis macrochirus) LC50: =653mg/L (96h, Lepomis macrochirus)	-	EC50: =890mg/L (48h, Daphnia magna)
Iron sulphate; FeSO4+1H2O	-	LC50: =0.56mg/L (96h, Cyprinus carpio) LC50: =925mg/L (96h, Poecilia reticulata)	-	EC50: 6.15 - 9.26mg/L (48h, Daphnia magna) EC50: =152mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and Degradability: No information available.

12.3. Bioaccumulative potential

Bioaccumulation	There is no data for this product.
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12.4. Mobility in soil

Mobility in soil no data available.

Mobility no data available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Potassium sulphate; K ₂ SO ₄	The substance is not PBT / vPvB PBT assessment does not apply
Iron sulphate; FeSO4+1H2O	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

Other Information

Use up product completely. Packaging material is industrial waste. If material is uncontaminated, collect and reuse as recommended for product.

SECTION 14: Transport information

IMDG	
<u>14.1</u>	
UN-No: 14.2	Not regulated
Proper shipping name:	Not regulated
<u>14.3</u>	.
Transport hazard class(es)	Not regulated
<u>14.4</u> Packing group:	Not regulated
14.5	Hotrogulatou
Marine Pollutant:	Not regulated
<u>14.6</u>	
Special Provisions	None
14.7 Bulk transport according Annex II of MARPOL and IBC Code	e No data available

ADR	
<u>14.1</u>	
UN-No:	Not regulated
<u>14.2</u>	
Proper shipping name:	Not regulated
<u>14.3</u> Transport becard aloog(ag)	Not regulated
Transport hazard class(es) 14.4	Not regulated
Packing group:	Not regulated
14.5	
Environmental hazards	Not regulated
<u>14.6</u>	
Special Provisions	None
ΙΑΤΑ	
<u>14.1</u>	
UN number or ID number	Not regulated

Not regulated
Not regulated
Not regulated
Not regulated
Not regulated
None

SECTION 15: Regulatory information

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

National regulations

Denmark France ICPE

Not regulated

Germany

LGK (Germany) TRGS 510 Gefahrstoffverordnung (Germany) TRGS 511 Water hazard class (WGK) 13 Not regulated slightly hazardous to water (WGK 1)

Chemical name	German WGK Section
Potassium sulphate; K ₂ SO ₄	Reg. no. 255, hazard class 1 - slightly hazardous to water
Iron sulphate; FeSO4+1H2O	1

Netherlands

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 94/33/EC on the protection of young people at work

Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.

Authorizations and/or restrictions on use:

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)

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors

Not regulated

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC)	Not applicable
1005/2009	

Plant protection products directive (91/414/EEC)

Chemical name	Plant protection products directive (91/414/EEC)
	Plant protection agent
Iron sulphate; FeSO 4+1H2O	

EU - Biocides

International Inventories:

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report

Substance(s) usage is covered according to Reach regulation 1907/2006

SECTION 16: Other information

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

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Legend

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL
Ceiling	Maximum limit value	*

STEL (Short Term Exposure Limit) Skin designation

Classification procedure

Calculation method

• Expert judgment and weight of evidence determination

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database European Food Safety Authority (EFSA) EPA (Environmental Protection Agency) Acute Exposure Guideline Level(s) (AEGL(s)) U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency High Production Volume Chemicals Food Research Journal Hazardous Substance Database International Uniform Chemical Information Database (IUCLID) Japan GHS Classification Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS) NIOSH (National Institute for Occupational Safety and Health) National Library of Medicine's ChemID Plus (NLM CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP) New Zealand's Chemical Classification and Information Database (CCID) Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

Prepared by	Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)
Last Revision Date	30-Nov-2021
Restrictions on use	Restricted to professional users

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

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End of Safety Data Sheet