

# Safety Data Sheet

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Version: 2

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

### 1.1. Product identifier

**Product Name:**

Greenmaster Liquid 8-0-0+11CaO+TE, Calcium Booster

**Product Code**

31060199DA

### 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*

**Acute toxicity - Oral**

Category 4 - (H302)

**Serious Eye Damage or Eye Irritation**

Category 1 - (H318)

### 2.2. Label elements

**Product Identifier:**



**Signal Word:**

Danger

**Hazard Statements:**

H302 - Harmful if swallowed

H318 - Causes serious eye damage

Contains Nitric acid ammonium calcium salt

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash hands thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P280 - Wear eye protection/ face protection

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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

P330 - Rinse mouth

P501 - Dispose of container in accordance with local regulation

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Ingredients	EC-No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Nitric acid ammonium calcium salt	239-289-5	15245-12-2	25 - 40%	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	01-2119493947-16
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	229-347-8	6484-52-2	5 - 10%	Eye Irrit. 2 (H319) Ox. Sol. 3 (H272)	01-2119490981-27
Manganese-EDTA, Mn-EDTA	239-407-5	15375-84-5	0.1 - 1%	Not classified	01-2119493600-40
Disodium octaborate tetrahydrate	234-541-0	12280-03-4	< 0.1%	Repro. 1B (H360)	01-2119490860-33
Copper-EDTA; Cu-EDTA	237-864-5	14025-15-1	< 0.1%	Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119963944-23
Sodium molybdate; Na <sub>2</sub> MoO <sub>4</sub> +2H <sub>2</sub> O	231-551-7	7631-95-0	< 0.1%	Not classified	01-2119489495-21

**Full text of H- and EUH-phrases: see section 16****Section 4: FIRST AID MEASURES****4.1. Description of first aid measures**

<b>General Advice:</b>	First aid measures should be executed by trained personnel only.
<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
<b>Ingestion:</b>	Call a physician or Poison Control Centre immediately.
<b>Protection of First-Aiders:</b>	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.

#### Unsuitable extinguishing media:

High volume water jet. Water. Water spray.

### 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:** 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

Do not allow product to enter the environment uncontrolled.

### 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:** Take up mechanically and collect in suitable container 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:

LGK (Germany)

Packaging Materials:

Keep container tightly closed in a dry and well-ventilated place.

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Store in original container.

### 7.3. Specific end use(s)

Specific use(s)

Fertilizer; Read and follow label instructions; [www.everris.com](http://www.everris.com)

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

*Ammonium Nitrate; NH<sub>4</sub>NO<sub>3</sub>*

Australia TWA

N.A.

Czech Republic OEL

10.0 mg/m<sup>3</sup> TWA

*Manganese-EDTA, Mn-EDTA*

Czech Republic OEL	1 mg/m <sup>3</sup> TWA
Ireland	TWA: 0.2 mg/m <sup>3</sup>
<i>Disodium octaborate tetrahydrate</i>	
Spain OEL - Time Weighted Average (TWA):	TWA: 2 mg/m <sup>3</sup>
<i>Copper-EDTA: Cu-EDTA</i>	
Austria	STEL 4 mg/m <sup>3</sup> STEL 0.4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
Australia TWA	N.A.
Finland	TWA: 1 mg/m <sup>3</sup>
<i>Sodium molybdate: Na<sub>2</sub>MoO<sub>4</sub>·2H<sub>2</sub>O</i>	
Austria	STEL 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Czech Republic OEL	5 mg/m <sup>3</sup> TWA
Denmark	TWA: 5 mg/m <sup>3</sup>
Finland	TWA: 0.5 mg/m <sup>3</sup>
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Ireland	TWA: 10 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>
Norway	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Poland	STEL: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>
Portugal	TWA: 0.5 mg/m <sup>3</sup>
Spain OEL - Time Weighted Average (TWA):	TWA: 0.5 mg/m <sup>3</sup>
Sweden - OEL - 8 Hour	5 mg/m <sup>3</sup> LLV
Switzerland	TWA: 5 mg/m <sup>3</sup>
UK oes/mel:	TWA: 5 mg/m <sup>3</sup>

**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:** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Eye/Face Protection: Not required  
 Hand protection: Nitrile rubber (0.26 mm). Break through time. > 8 h.  
 Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.  
 Skin and Body Protection: Lightweight protective clothing  
 Hygiene Measures: Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

**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:** liquid  
**Color:** green.  
**Odor:** characteristic  
**pH:** 6  
**Melting Point/Freezing Point:** no data available  
**Boiling Point/Range:** no data available  
**Flash Point:** no data available  
**Evaporation Rate:** no data available,

<b>Flammability (solid, gas):</b>	Non-flammable
<b>Vapor Pressure:</b>	no data available
<b>Vapor Density:</b>	no data available
<b>Specific Gravity:</b>	no data available
<b>Water Solubility:</b>	Soluble in water
<b>Solubility(ies)</b>	no data available
<b>Partition Coefficient:</b>	no data available
<b>Autoignition Temperature:</b>	Not Applicable
<b>Decomposition Temperature:</b>	no data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard. Based on data of ingredients.

**9.2. Other information**

**Bulk density:** no data available

**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**

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute Toxicity**

**Product Information:**

<b>Inhalation:</b>	May cause irritation of respiratory tract.
<b>Eye Contact:</b>	Causes serious eye damage.
<b>Skin Contact:</b>	May cause irritation.
<b>Ingestion:</b>	Harmful if swallowed.
<b>Unknown Acute Toxicity:</b>	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): 1,544.00 mg/kg

**Component Information:**

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nitric acid ammonium calcium salt	= 2000 mg/kg ( Rat )		
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	= 2217 mg/kg ( Rat )		> 88.8 mg/L ( Rat ) 4 h
Disodium octaborate tetrahydrate	= 2500 mg/kg ( Rat )		
Sodium molybdate; Na <sub>2</sub> MoO <sub>4</sub> +2H <sub>2</sub> O	= 4233 mg/kg ( Rat )	> 2000 mg/kg (Rat)	> 2080 mg/m <sup>3</sup> ( Rat ) 4 h

<b>Skin Corrosion or Irritation</b>	See also section 3.
<b>Serious Eye Damage or Eye Irritation</b>	See also section 3.
<b>Sensitization</b>	See also section 3.

**Mutagenic effects  
Carcinogenicity**

See also section 3.  
The table below indicates whether each agency has listed any ingredient as a carcinogen.

**Reproductive Toxicity**

**Teratogenicity**  
**STOT - Single Exposure**  
**STOT - Repeated Exposure**  
**Aspiration Hazard**

No known effects under normal use conditions.  
No known effects under normal use conditions.  
None under normal use conditions.  
None under normal use.

**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
Nitric acid ammonium calcium salt		447: 48 h Carassius auratus mg/L LC50	

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

Ingredients	LOGPOW
Nitric acid ammonium calcium salt	0
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub>	-3.1

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available

**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**

<b>Packing group:</b> 14.5	Not regulated
<b>Marine Pollutant:</b> 14.6	No information available
<b>Special Provisions</b> 14.7	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not regulated

**ADR/RID**

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

**IATA**

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

**Section 15: REGULATORY INFORMATION**

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

Component	EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 5 - 10% )	Use restricted. See item 58. (Conditions of restrictions 27 June 2010)

**National regulations**

*Belgium*

Component	Belgium - Major Accidents - Qualifying Quantities for Safety Reporting	Belgium - Major Accidents - Qualifying Quantities for Accident Prevention

Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 5 - 10% )	2500 tonne (Note 3, applies to Ammonium nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight containing ≤0.2 % combustible material, >24.5% and <28% by weight containing ≤0.4% combustible material and to aqueous Ammonium nitrate solutions in which the concentration of Ammonium nitrate is >80% by weight)	350 tonne (Note 3, applies to Ammonium nitrate in which the Nitrogen content due to Ammonium nitrate is >28% by weight containing ≤0.2 % combustible material, >24.5% and <28% by weight containing ≤0.4% combustible material and to aqueous Ammonium nitrate solutions in which the concentration of Ammonium nitrate is >80% by weight)
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Denmark

Danish Sikkerhedsgruppe

Not regulated

France

ICPE

Classified installation: article 1331 (Type III)

Germany

Gefahrstoffverordnung (Germany) TRGS 511

LGK (Germany)

Water Endangering Class (WGK):

C III

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1 (Everris classification)

Component	German WGK Section
Ammonium Nitrate; NH <sub>4</sub> NO <sub>3</sub> 6484-52-2 ( 5 - 10% )	class 1
Sodium molybdate; Na <sub>2</sub> MoO <sub>4</sub> +2H <sub>2</sub> O 7631-95-0 ( < 0.1% )	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**

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

H360 - May damage fertility or the unborn child

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H272 - May intensify fire; oxidizer

**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:** Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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**Reason for revision:** \*\*\* Indicates changes since the last revision. This version replaces all previous versions.

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

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**End of Safety Data Sheet**