

Safety Data Sheet

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Version: 1

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

1.1. Product identifier

Product Name:

Agroleaf Liquid Calcium+

Product Code

31350320GA

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 protective gloves/protective clothing/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

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	40 - 65%	Eye Dam. 1 (H318) Acute Tox. 4 (H302)	01-2119493947-16

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 to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
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
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician:	None under normal processing.
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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: 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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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****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:

Hand protection:

Respiratory Protection:

Skin and Body Protection:

Tightly fitting safety goggles

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

In case of insufficient ventilation wear suitable respiratory equipment.

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
Appearance:	clear
Color:	brown.
Odor:	Not significant
pH:	6.5
Melting Point/Freezing Point:	no data available
Boiling Point/Range:	no data available
Flash Point:	no data available
Evaporation Rate:	no data available
Flammability (solid, gas):	Non-flammable
Vapor Pressure:	no data available
Vapor Density:	no data available
Specific Gravity:	no data available
Water Solubility:	Soluble in water
Solubility(ies)	no data available
Partition Coefficient:	no data available
Autoignition Temperature:	no data available
Decomposition Temperature:	no data available
Explosive Properties:	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:

Inhalation:	May cause irritation of respiratory tract.
Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nitric acid ammonium calcium salt	= 2000 mg/kg (Rat)		

Skin Corrosion or Irritation
Serious Eye Damage or Eye Irritation
Sensitization
Mutagenic effects
Carcinogenicity

See also section 3.
 See also section 3.
 See also section 3.
 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.

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

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:

Contaminated Packaging:

Other Information:

Disposal should be in accordance with applicable regional, national and local laws and regulations.
 Do not re-use empty containers. Dispose of as unused product.
 Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG**14.1**

UN-No: 14.2	Not regulated
Proper shipping name: 14.3	Not regulated
Hazard Class: 14.4	Not regulated
Packing group: 14.5	Not regulated
Marine Pollutant: 14.6	No information available
Special Provisions 14.7	None
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**BelgiumDenmark

Danish Sikkerhedsgruppe Not regulated

France

ICPE Not regulated

Germany

Gefahrstoffverordnung (Germany) TRGS 511

LGK (Germany)

Water Endangering Class (WGK):

Not regulated

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1 (Everris classification)

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**

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:

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

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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