

# Safety Data Sheet

Issue Date 24-Feb-2015

Revision Date 10-Oct-2019

Version: 5

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

### 1.1. Product identifier

**Product Name** Greenmaster Liquid TE Package Step  
**Product Code:** 31030120DB  
**Pure substance/mixture** 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 [SU 21].

### 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.

**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 (CLP)*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Signal Word:** None

### EU Specific Hazard Statements:

EUH210 - Safety data sheet available on request

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	EC-No.	CAS No	Weight %	Classification according Regulation (EC) 1272/2008 [CLP]	REACH registration number
Disodium octaborate tetrahydrate	234-541-0	12280-03-4	0.1 - 1%	Repr. 1B (H360FD)	01-2119490860-33

*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

If not breathing, give artificial respiration. If symptoms persist, call a physician. If fumes from reactions are inhaled, move to fresh air immediately.

<b>Skin Contact:</b>	If skin irritation persists, call a physician.
<b>Eye Contact:</b>	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion:</b>	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.

**4.2. Most important symptoms and effects, both acute and delayed**

None under normal processing

**4.3. Indication of any immediate medical attention and special treatment needed**

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.

**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**

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. Firefighters 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:** 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 material to contaminate ground water system.

**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:

Keep container tightly closed in a dry and well-ventilated place. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well. Keep away from flammable material.

Packaging Materials:  
LGK (Germany)

Store in original container.  
Exempt

**7.3. Specific end use(s)**

Specific use(s)  
Exposure scenario

Fertilizer; www.everris.com; Read and follow label instructions  
Mixture. Not required.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Derived No Effect Level (DNEL)

#### Predicted No Effect Concentration (PNEC)

No data available

### 8.2. Exposure controls

#### Personal protective equipment

##### Eye/Face Protection

Wear eye/face protection

##### Hand protection

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

##### Respiratory Protection

Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit

##### Skin and body protection:

Lightweight protective clothing

##### Hygiene Measures:

Follow good housekeeping practices. When using, do not eat, drink or smoke. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Physical State:

Liquid

#### Appearance:

aqueous solution

#### Odor:

None

#### 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):

Not flammable

#### Vapor Pressure:

Solid. Not applicable.

#### Vapour density

Solid. Not applicable.

#### Relative density

No data available

#### Water Solubility:

No data available

#### Solubility(ies)

No data available

#### Partition Coefficient:

Solid. Not applicable.

#### Autoignition Temperature:

No data available

#### Decomposition temperature:

No data available

#### Explosive Properties:

Doesn't present explosion hazard.

### 9.2. Other information

#### VOC Content (%):

Solid. Not applicable.

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 10.4. Conditions to avoid

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

**10.5. Incompatible materials**

Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

**10.6. 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 toxicological effects****Product Information**

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

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

<b>Inhalation</b>	Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	May cause slight irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	May cause gastrointestinal discomfort if consumed in large amounts.

**Information on Toxicological Effects**

None known

**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

*ATEmix (oral):* 10,504.00 mg/kg

**Unknown Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Disodium octaborate tetrahydrate	= 2500 mg/kg ( Rat )		

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

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

<b>Serious eye damage/eye irritation</b>	Classification based on individual ingredients of the mixture.
<b>Respiratory or skin sensitization</b>	Classification based on individual ingredients of the mixture.
<b>Germ Cell Mutagenicity</b>	Classification based on individual ingredients of the mixture.
<b>Carcinogenicity</b>	Classification based on individual ingredients of the mixture.
<b>Reproductive Toxicity</b>	Classification based on individual ingredients of the mixture.
<b>STOT - Single Exposure</b>	Classification based on individual ingredients of the mixture.
<b>STOT - Repeated Exposure</b>	Classification based on individual ingredients of the mixture.
<b>Aspiration Hazard</b>	Classification based on individual ingredients of the mixture.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

<b>Ecotoxicity</b> <b>Unknown Aquatic Toxicity</b>	Should not be released into the environment 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.
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**12.2. Persistence and degradability****Persistence and Degradability:**

No persistent or cumulative effects were observed.

**12.3. Bioaccumulative potential****Bioaccumulation:**

Does not bioaccumulate.

**12.4. Mobility in soil**

No data available.

**12.5. 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 reuse container.

**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:**

No information available

**14.6****Special Provisions**

None

**14.7****Bulk transport according Annex II of MARPOL and IBC Code** No data available**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

<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

#### Belgium

#### Denmark

Denmark No data available

#### France

ICPE Not regulated

#### Germany

LGK (Germany) Exempt  
 Water Endangering Class (WGK): 1 (Everris classification)  
 Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

Component	German WGK Section
Disodium octaborate tetrahydrate 12280-03-4 ( 0.1 - 1% )	class 3

Component	EU - Explosives Precursors Marketing and Use (98/2013) - Substances Subject to Suspicious Transactions Reporting	EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances
Disodium octaborate tetrahydrate 12280-03-4 ( 0.1 - 1% )		Use restricted. See item 30.

### 15.2 Chemical safety assessment

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

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

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Disodium octaborate tetrahydrate	Use restricted. See item 30.	

## Section 16: OTHER INFORMATION

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

- H360 - May damage fertility or the unborn child if inhaled

### 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 phrase: CLP (EU) specific hazard statement  
LD50: Lethal dose, 50%.  
LC50: Lethal concentration, 50%.  
SVHC: Substance of Very High Concern.

**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. 2015/830. Regulation (EC) No 1272/2008 (CLP).

**Prepared by**

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

**Issue Date**

24-Feb-2015

**Restrictions on use**

Restricted to professional users

**Reason for revision**

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

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