

# Safety Data Sheet

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

### 1.1. Product identifier

**Product Name** Landscaper Pro Triple Action 14-0-5+Fe+MCPA+Mecoprop-P  
**Product Code:** 40740115DB  
**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 [SU21].

### 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)*

<b>Eye Irritation</b>	Category 2 - (H319)
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### 2.2. Label elements



**Signal Word:** Warning

### Hazard Statements:

H319 - Causes serious eye irritation

EUH208 - Contains ( Mecoprop-P ). May produce an allergic reaction.

### Precautionary Statements:

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

P310 - Immediately call a POISON CENTER or doctor/physician

P501 - Dispose of contents/ container to an approved waste disposal plant

### Other hazards (UN-GHS)

None

## 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
Iron sulphate; FeSO <sub>4</sub> +1H <sub>2</sub> O	231-753-5	7720-78-7	10 - 25%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	01-2119513203-57
MCPA, Salts and esters of	-	NO CAS NR.	0.1 - 1%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
(R)-2-(4-CHLORO-2-METHYLPHE NOXY)PROPIONIC ACID	-	861229-15-4	0.1 - 1%	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2120736627-47

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 symptoms persist, call a physician.
- Skin Contact:** If skin irritation persists, 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:** If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

### 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: Carbon dioxide (CO<sub>2</sub>). Water spray. Foam. Dry powder.

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:** Use personal protective equipment.
- For Emergency Responders:** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not contaminate water. 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:* 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.  
Packaging Materials: Store in original container. Store in a closed container.  
LGK (Germany) 13

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

Specific use(s) Fertilizer; www.everris.com; Read and follow label instructions  
Exposure scenario Mixture. Not required.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

<i>Iron sulphate: FeSO<sub>4</sub>·1H<sub>2</sub>O</i>	
Belgium - 8 Hr TWA	1 mg/m <sup>3</sup>
Denmark	TWA: 1 mg/m <sup>3</sup>
Finland	TWA: 1 mg/m <sup>3</sup>
Ireland	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Norway	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Portugal	TWA: 1 mg/m <sup>3</sup>
Spain - VLE	TWA: 1 mg/m <sup>3</sup>
Switzerland	TWA: 1 mg/m <sup>3</sup>
UK EH40 WEL (8h)	LTEL (8 hr TWA) 1 mg/m <sup>3</sup> STEL (15 min) 2mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)**

**Predicted No Effect Concentration (PNEC)**

No data available

**8.2. Exposure controls**

**Personal protective equipment**

**Eye/Face Protection** Face-shield  
**Hand protection** Protective gloves. Nitrile rubber (0.26 mm).  
**Respiratory Protection** Wear respirator with dust filter  
**Skin and body protection:** Wear suitable protective clothing  
**Hygiene Measures:** Wash hands before stopping and immediately after handling. When using, do not eat, drink or smoke.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical State:	Solid
Color:	beige.
Odor:	None
pH:	3 - 5
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.
<u>9.2. Other information</u>	
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

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

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

**Inhalation** Inhalation of dust in high concentration may cause irritation of respiratory system.

**Eye contact** May cause slight irritation.  
**Skin Contact** May cause irritation.  
**Ingestion** 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):* 2,407.00 mg/kg

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron sulphate; FeSO <sub>4</sub> +1H <sub>2</sub> O	= 500 mg/kg ( Rat )	= 155 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

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

**Section 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecotoxicity**

**Unknown Aquatic Toxicity**

Should not be released into the environment  
 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Iron sulphate; FeSO <sub>4</sub> +1H <sub>2</sub> O	-	925: 96 h Poecilia reticulata mg/L LC50 static 0.56: 96 h Cyprinus carpio mg/L LC50 semi-static	-	152: 48 h Daphnia magna mg/L EC50 6.15 - 9.26: 48 h Daphnia magna mg/L EC50 Static

**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

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

#### Belgium

#### Denmark

Denmark No data available

#### France

ICPE No data available

#### Germany

LGK (Germany) 13  
Water Endangering Class (WGK): 1 (Everris classification)  
Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

Component	German WGK Section
Iron sulphate; FeSO <sub>4</sub> +1H <sub>2</sub> O 7720-78-7 ( 10 - 25% )	1

### 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

## Section 16: OTHER INFORMATION

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

- H317 - May cause an allergic skin reaction
- H302 - Harmful if swallowed
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H312 - Harmful in contact with skin
- H332 - Harmful 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)

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**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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