

# 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** Solinure FX 15-5-30  
**Product Code:** 29580325GB  
**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
Urea	200-315-5	57-13-6	10 - 25%	Not classified	01-2119463277-33
Potassium pentahydrogen bis(phosphate); PeKacid	238-961-5	14887-42-4	5 - 10%	Eye Irrit. 2 (H319)	01-2119510125-56

*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.

<b>Inhalation</b>	Possible symptoms are coughing and/or dyspnoea. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Skin Contact:</b>	If skin irritation persists, call a physician.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	Possible symptoms are nausea and/or vomiting. Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

**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. Avoid dust formation. Use personal protective equipment. Wear personal protective equipment.

**For Emergency Responders:**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Prevent product from entering drains. Do not contaminate surface water.

**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:*

Shovel or sweep up. Do not create a powder cloud by using a brush or compressed air. Prevent product from entering drains.

**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 containers dry and tightly closed to avoid moisture absorption and contamination. Keep away from food, drink and

Packaging Materials:  
LGK (Germany)

animal feeding stuffs. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well. Keep at temperatures between 0 °C and 40 °C.

Store in original container. Store in a closed 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

Urea	
Bulgaria - OEL- TWAs	10.0 mg/m <sup>3</sup> TWA
Latvia - OEL - TWAs	10 mg/m <sup>3</sup> TWA

### Derived No Effect Level (DNEL)

Component	Oral	Dermal	Inhalation
Urea 57-13-6 ( 10 - 25% )		580 mg/kg bw/day	292 mg/m <sup>3</sup>

### Predicted No Effect Concentration (PNEC)

No data available

Component	Fresh Water	Freshwater sediment	Sea Water	Sea sediment	Soil	Impact on Sewage Treatment
Urea 57-13-6 ( 10 - 25% )	0.47 mg/l		0.047 mg/l			

### 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. Keep away from food, drink and animal feeding stuffs.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical State:

Solid

Appearance:

Crystals, Powder(s)

Color:

Off-white.

Odor:

None

Bulk density:

+/- 970 kg/m<sup>3</sup>

pH:

4.5 @ 21°C (@200 g/l)

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

<b>Water Solubility:</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition Coefficient:</b>	Solid. Not applicable.
<b>Autoignition Temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard.
<b>Oxidizing Properties:</b>	May intensify fire; oxidizer.
<b>9.2. Other information</b>	
<b>VOC Content (%):</b>	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

Keep away from open flames, hot surfaces and sources of ignition. Burning produces obnoxious and toxic fumes.

### 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: *mg/kg*

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Urea	= 8471 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

#### Ecotoxicity

Should not be released into the environment

#### Unknown Aquatic Toxicity

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
Urea	> 10000: 192 h Scenedesmus quadricauda mg/L EC50	16200 - 18300: 96 h Poecilia reticulata mg/L LC50	-	3910: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna Straus mg/L EC50

### 12.2. Persistence and degradability

#### Persistence and Degradability:

No persistent or cumulative effects were observed.

### 12.3. Bioaccumulative potential

#### Bioaccumulation:

Does not bioaccumulate.

Chemical Name	LOGPOW
Urea	-1.59

### 12.4. Mobility in soil

No data available.

### 12.5. PBT and vPvB assessment

No data available.

Chemical Name	PBT and vPvB assessment
Potassium pentahydrogen bis(phosphate); PeKacid	Not applied

### 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**

<u>14.1</u>	
<b>UN-No:</b>	Not regulated
<u>14.2</u>	
<b>Proper shipping name:</b>	Not regulated
<u>14.3</u>	
<b>Hazard Class:</b>	Not regulated
<u>14.4</u>	
<b>Packing group:</b>	Not regulated
<u>14.5</u>	
<b>Marine Pollutant:</b>	No information available
<u>14.6</u>	
<b>Special Provisions</b>	None
<u>14.7</u>	
<b>Bulk transport according Annex II of MARPOL and IBC Code</b>	No data available

**ADR/RID**

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

**IATA**

<u>14.1</u>	
<b>UN-No:</b>	Not regulated
<u>14.2</u>	
<b>Proper shipping name:</b>	Not regulated
<u>14.3</u>	
<b>Hazard Class:</b>	Not regulated
<u>14.4</u>	
<b>Packing group:</b>	Not regulated
<u>14.5</u>	
<b>Environmental Hazard</b>	Not regulated
<u>14.6</u>	
<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
Urea 57-13-6 ( 10 - 25% )	1
Potassium pentahydrogen bis(phosphate); PeKacid 14887-42-4 ( 5 - 10% )	3

### 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

- H319 - Causes serious eye irritation

### 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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