



# Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Gro-sure All Purpose soluble plant food.

Version:1.0

Revision date: 29.06.2018

Print date:29.06.2018

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**1.1 Product identifier** Gro-Sure All Purpose Soluble Plant Food 12.5 – 5 – 25

**1.2 Relevant identified use** Soluble fertiliser/ Plant nutrient

**1.3 Details of the supplier of the safety data sheet:**

Westland Horticulture Ltd  
14 Granville Industrial Estate  
Granville Road  
Dungannon  
County Tyrone  
BT70 1NJ

**Email** customerservice@WestlandHorticulture.com

**1.4 Emergency telephone number** 01480 443789 (UK)24 hrs

## 2. HAZARDS IDENTIFICATION

**2.1 Classification of the Substance or Mixture According to Regulation (EC) No 1272/2008:**

Eye Dam. 1 H318  
Skin Irrit. 2 H315

**2.2 Label Elements According to Regulation (EC) No 1272/2008:**

Hazard Pictograms GHS05 - Corrosive



Signal Word Danger

Hazard Statements H 318: Causes serious eye damage  
H 315: Causes skin irritation

**Precautionary Statements**

P264: Wash thoroughly after handling  
P280 Wear protective gloves  
P305+351+338 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



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P332+313: If skin irritation occurs, get medical advice  
P362: Take off contaminated clothing and wash before reuse

Other hazards PBT: This product is not identified as a PBT substance  
vPvB: This product is not identified as a vPvB substance

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: N/A

3.2 Description Mixture; Soluble plant food NPK 12.5 – 5 – 25

Ingredient	Identifiers	Concentration %W/W	Regulation (EC) No 1272/2008 (CLP)
Potassium Hydrogen sulphate	EC: 231-594-1 CAS : 7646-93-7	3.8% w/w	Skin Corr. 1B: H314 STOT SE 3: H335

See Section 16 for the full text of the R phrases or H statements declared above

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General information:** Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.

**Inhalation:** Move person to fresh air.  
Keep patient warm and at rest.  
Get medical advice if symptoms persist or are severe

**Skin Contact:** Wash off with soap and plenty of water.  
Get medical advice if irritation persists

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses and continue flushing.  
Get medical attention if irritation occurs



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**Ingestion:** Rinse out mouth

## 4.2 Most Important Symptoms and Effects, both Acute and Delayed:

**Skin contact:** There may be mild irritation at the site of contact

**Eye contact:** There may be irritation and redness

**Ingestion:** There may be soreness and redness of the mouth and throat

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.  
Drowsiness or mental confusion may occur

**Delayed/Immediate Effects:** Immediate effects can be expected after short term exposure

## 4.3 Indication of any immediate medical attention and special treatment needed:

No specific treatment, treat symptomatically

## 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing Media:** Suitable extinguishing media for the surrounding fire should be used

### 5.2 Specific Hazards Arising From the Substance or Mixture:

As the product contains organic components, fire will produce dense black smoke containing hazardous products of combustion

Exposure to decomposition products may be a hazard to health

### 5.3 Advice for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus as required

### Additional Information:

Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid formation / breathing of dust

Ensure adequate ventilation

Refer to protective measures listed in sections 7 and 8.

If outside do not approach from downwind and keep bystanders upwind and away from danger point.



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## 6.2 Environmental Precautions:

Do not discharge into surface water or sanitary sewer system

## 6.3 Methods and Materials for Containment and Cleaning Up:

Vacuum or sweep up material. Place into suitable labelled containers for disposal according to local / national regulations

Wash the spillage site with large amounts of water

**Additional information:** If the product contaminates rivers and lakes or drains inform respective authorities.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Handling:

- Avoid direct contact with the substance
- Ensure there is sufficient ventilation of the area
- Do not handle in a confined space
- Avoid the formation or spread of dust in the air
- When using do not eat, drink or smoke

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep in original packaging
- Keep out of reach of children
- Keep away from food, drink and animal feeding stuffs.

### 7.3 Specific End Uses:

Use only as fertiliser

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control Parameters:** Contains no substances with occupational exposure limit values

### 8.2 Exposure Controls



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**8.2.1 Appropriate engineering controls:** Provide adequate ventilation.

**8.2.2 Personal protective equipment:** The use of technical measures should always have priority over the use of personal protective equipment  
When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards

**Respiratory Protection:** Respiratory protective device with particle filter  
Self-contained breathing apparatus must be available in case of emergency

**Hand Protection:** Select gloves based on the physical job requirements

**Eye Protection:** Safety glasses  
Ensure eye bath is to hand

**Skin and Body Protection:** Select skin and body protection based on the physical job requirements

**8.2.3 Environmental exposure controls:** N/A

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:** white crystalline solid

**Physical state:** crystalline solid

**Colour:** white

**Odour:** none

**Odour threshold:** none



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## a. Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	6.0-7.0	-	-	20°C	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling point/boiling range	-	-	-	-	-	-
Flash point	-	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
Upper/lower flammability or explosive limits	-	-	-	-	-	-
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	-	-	-	-	-	-
Solubility(ies)	-	-	-	-	-	-
Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	-	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	-	-	-	-	-	-
Viscosity, dynamic	-	-	-	-	-	-
Viscosity, cinematic	-	-	-	-	-	-
Explosive properties	-	-	-	-	-	-
Oxidising properties	-	-	-	-	-	-

Physical hazards: None



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## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Stable under normal conditions of storage, handling and use

**10.2 Chemical Stability:** Stable under normal conditions of storage, handling and use

**10.3 Possibility of hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4 Conditions To Avoid:** Heat, strong oxidising agents and strong acids

**10.5 Incompatible Materials:** Urea reacts with calcium hypochlorite or sodium hypochlorite to form explosive nitrogen trichloride.

**10.6 Hazardous decomposition products:** Heating or fire can release toxic or irritant vapours and fumes. In molten state, reacts violently with some metals.

## 11. TOXICOLOGICAL INFORMATION

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components or from products of a similar structure and composition

### Toxicokinetics, metabolism and distribution

#### 11.1 Information on toxicological effects

**Acute Toxicity:** Mixture not classified for acute toxicity

**Skin corrosion/ Irritation:** The mixture is not classified as skin irritant

**Eye damage/Irritation:** The mixture is classified for eye irritation

**Respiratory or Skin Sensitization:** The mixture is not classified as a sensitizer



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**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** The mixture is not classified as mutagenic, carcinogen, reproductive toxic or teratogenic hazard

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** No known significant effects or critical hazards

**12.2 Persistence and Degradability:** Readily biodegradable in plants and soils. The product does not show any bioaccumulation phenomena

**12.3 Bioaccumulative Potential:** No known significant effects or critical hazards

**12.4 Mobility in Soil:** Not available

**12.5 PBT and vPvB assessment:** Not applicable

**Other adverse effects:** No known significant effects or critical hazards

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product:** Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.

**Contaminated Packaging:** Empty remaining contents.  
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations  
Do not reuse empty containers





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## 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN Proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
Hazard label(s)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.4 Packing group	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.5 Environmental hazards	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

14.6 Special precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information: None

## 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance of mixture:

This mixture is classified and labelled according to the CLP Regulation (EC) No 1272/2008

15.2 Chemical Safety Assessment: This product contains substances for which Chemical Assessments are still required



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## 16. OTHER INFORMATION

**16.1 Indication of changes:** none

### 16.2 Abbreviations and Acronyms

ADR	International Carriage of Dangerous Goods by Road
CAS No	Chemicals Abstract Service Registry Number
Directive 67/548/EEC	Dangerous Substances Directive (DSD)
EC No	European Community Number for chemicals within EU regulations
IATA-DGR	Dangerous Goods Regulations by the International Air Transport Association
IMDG Code	International Maritime Dangerous Goods Code
PBT	Persistent, Bioaccumulative and Toxic Properties
Regulation (EC) No 1272/2008	Classification, Labelling and Packaging (CLP)
RID	International Transport of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative Properties

**16.3 Key literature references and sources for data:** Westland Horticulture Ltd

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:** See SECTION 2.1 (classification).

**16.5 Relevant, H- and EUH-phrases (number and full text):** N/A

**16.6 Training advice:** follow the instructions

### 16.7 Further information

Before using this product, ensure that you read and understand its label

MSDS information:

This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, 1272/2008 and Annex I of the REACH regulation 453/2010.

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Westland Horticulture Limited does not accept responsibility for damage caused by incorrect use of this information.



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## Training and related advice:

This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.

For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.