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## SAFETY DATA SHEET

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

<b>Product</b>	<b>Gro-Sure Slow Release Tablets</b>
<b>Usage</b>	Fertiliser/ Plant nutrient
<b>Supplier</b>	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
<b>Email</b>	<a href="mailto:customerservice@WestlandHorticulture.com">customerservice@WestlandHorticulture.com</a>
<b>Emergency Tel</b>	01480 443789 (UK)

### 2. HAZARDS IDENTIFICATION

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

Not classified

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


Hazard Pictograms	None
Signal Word	None
Hazard Statements	Not applicable
Precautionary Statements	Not applicable
Other hazards	Contains $\geq 0.1\%$ of a substance from the Candidate List of substances of very high concern (SVHC) according to Art. 59 (1,10) REACH EC Nr. 1907/2006



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Solid granulated mixture of mineral salts, coated with polymer resin, formed as a cone

Hazardous components/components having designated Workplace Exposure Limits:

Ingredient	Identifiers	Concentration on %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Ammonium Nitrate	CAS: 6484-52-2 EC: 229-347-8	10-45%		Ox. Sol. 3, H272 Eye Dam/Irrit. 2, H319
Sodium Tetraborate pentahydrate	CAS: 12179-04-3 EC: 215-540-4	0.1-1 %		Repr. 1B, H360FD Substance from SVHC according to REACH

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

### 4. FIRST AID MEASURES

**General Advice:** 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.

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

**Eye Contact:** Rinse 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

**Ingestion:** Rinse out mouth with water  
If material has been swallowed and the exposed person is conscious, give small quantities of water to drink, then drink lots of water

**Information for doctor:** No specific treatment, treat symptomatically



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## 5. FIRE FIGHTING MEASURES

### **Suitable Extinguishing Media:**

Use flooding quantities of water

### **Unsuitable Extinguishing Media:**

Do not use chemical extinguisher or foam  
Do not attempt to smother the fire with steam or sand

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

The product itself is not combustible but it can support combustion, even in absence of air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides, sulfur oxides, phosphorous oxides, halogenated compounds, metal oxides and ammonia  
Exposure to decomposition products may be a hazard to health. Symptoms may be delayed following exposure

### **Special Protective Equipment for Fire Fighters:**

Wear full protective clothing and self-contained breathing apparatus.

### **Further Information:**

Cool endangered receptacles with water spray  
Do not allow molten material or run-off from fire fighting to enter drains or water courses.  
If fire run-off water enters drains or water course, inform the appropriate water authorities immediately

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## 6. ACCIDENTAL RELEASE MEASURES

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

Avoid formation / breathing of dust. Ensure adequate ventilation  
Avoid contact with skin and eyes

### **Environmental Precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

### **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

**Additional Advice:** If large quantities of the product contaminates water courses or drains (including via contaminated soil & vegetation), inform respective authorities.

### **Reference to other sections:**

See Section 8 for information on personal protection equipment  
See Section 13 for disposal information



## 7. HANDLING AND STORAGE

### Handling:

- Prevent dust formation and inhalation
- Avoid contact with eyes and skin
- Do not eat, drink or smoke when using this product
- Take off contaminated clothing and wash before reuse
- Avoid unnecessary exposure to atmosphere to prevent moisture pick up
- Protect the product from weather factors , high humidity, direct sun light, heat up and impurity
- Wash hands forearms and face and observe good hygiene practice after handling this product

### Storage:

- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep product in original labeled containers
- Storage areas should be appropriately sited to prevent environmental contamination
- Keep away from organic materials, oil and grease, food and drink
- Protect from direct sun light

### Specific End Uses:

Use as fertiliser according to the instruction on the label

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

No ingredients with limit values that require monitoring at the workplace:

### Exposure Controls

**Engineering Measures:** Good ventilated areas  
Avoid high dust concentration and provide ventilation where necessary

**Protective Measures:** The use of technical measures should always have priority over the use of personal protective equipment  
A risk assessment based on the task being performed and the risks involved should be carried out to determine personal protection equipment required  
When selecting personal protective equipment, seek appropriate professional advice  
Personal protective equipment should be certified to appropriate standards

**Respiratory Protection:** Not necessary if room is well ventilated  
Use suitable particulate filter respirator if dust concentration is high or if a risk assessment indicates this is necessary



**Hand Protection:** Wear chemical resistant gloves when handling the product over long periods or if a risk assessment indicates this is necessary

**Eye Protection:** Wear eye protection when a risk assessment indicates this is necessary to avoid exposure to dust

**Skin and Body Protection:** Protecting work clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Cone of solid granules  
**Colour:** Beige, bluish coating resin  
**Odour:** Characteristic

### Other Properties:

	Value
Bulk density	1.0 g/ml
Solubility	Partly Soluble
Decomposition temperature	>130 °C

No other relevant information available

## 10. STABILITY AND REACTIVITY

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

**Hazardous Reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**Hazardous Decomposition:** Heating or fire can release toxic or irritant vapours and fumes

**Incompatible Materials:** Alkalis, combustible materials, reducing materials, organic materials, acids

**Conditions To Avoid:** Avoid contamination by any source including metal, dust and organic materials



## 11. TOXICOLOGICAL INFORMATION

- Acute Toxicity:** No known significant effects or critical hazards based on individual components
- Acute Oral Toxicity:** Ammonium Nitrate: LD50 Median lethal dose rat, 4820 mg/kg  
Owing to the time delayed solubility of the fertilizer over several months, an acute toxic effect can be excluded
- Acute Inhalation Toxicity:** Respirable dust may cause irritation of the upper respiratory tract and lungs
- Acute Dermal Toxicity:**
- Skin Irritation:** Non irritating
- Eye Irritation:** Rabbit: Non irritating
- Respiratory or Skin Sensitization:** No known significant effects or critical hazards
- Long Term Toxicity:** No known significant mutagenic, carcinogenic, teratogenic or reproductive toxicity effects or critical hazards
- STOT- repeated exposure:** No known significant effects or critical hazards

## 12. ECOLOGICAL INFORMATION

- Toxicity :** No known significant effects or critical hazards based on ingredients
- **Toxicity To Fish:** Ammonium Nitrate: LC50, 447 mg/l, fresh water, 48h
  - **Toxicity To Aquatic Invertebrates:** Ammonium Nitrate: EC50 Daphnia, 490 mg/l, fresh water, 48h  
Calcium Fluoride: EC50 water flea, 26 mg/l, fresh water, 96h  
EC50 water flea, 10.5 mg/l, marine water, 96h
  - **Toxicity To Aquatic Plants:** Ammonium Nitrate: EC50 algae, 1700 mg/l, salt water, 10d  
Calcium Fluoride: EC50 algae, 43 mg/l, fresh water, 96h  
EC50 algae, 81 mg/l, marine water, 96h
- Persistence and Degradability :** No known significant effects or critical hazards
- **Biodegradability:** Not relevant for inorganic substances such as ammonium nitrate and calcium fluoride
- Mobility in Soil:** No known significant effects or critical hazards
- Bioaccumulative Potential:** No known significant effects or critical hazards



### 13. DISPOSAL CONSIDERATIONS

**Product:** Do not contaminate ponds, waterways or ditches with significant quantities of product  
Check if agriculture use is possible. Dispose of by use on farm as a fertiliser, by spreading thinly on open ground  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated Packaging:** Empty remaining contents.  
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations

### 14. TRANSPORT INFORMATION

**Land Transport (ADR /RID)** Not dangerous goods

**Maritime Transport (IMDG)** Not dangerous goods

**Air Transport (IATA-DGR)** Not dangerous goods

### 15. REGULATORY INFORMATION

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

This mixture is classified in accordance with Directive 1999/45/EC, regulation 1272/2008 and the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations

The mixture is also regulated by the following legislation:

EC Directives: 76/116/EEC (Relating to fertilisers)

National Regulations: The Fertilisers Regulations 1991 and subsequent amendments

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

### 16. OTHER INFORMATION

**Recommended uses and restrictions:** Follow the instructions

**Full texts of abbreviated H Statements refer to under Section 3:**

H319 Causes serious eye irritation




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**Full texts of abbreviated R phrases refer to under Section 3:**

R8 Contact with combustible material may cause fire  
 R36 Irritating to eyes

**Full text of Classifications**

- **CLP/GHS:** Eye Dam/ Irrit 2; Ox. Sol. 3; Eye damage/ Irritation, Category 2  
Oxidising solids, Category 3
- **DSD/DPD:** O; Xi; Oxidising Irritant

**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

**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.

**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.

