



## SAFETY DATA SHEET

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

<b>Product</b>	<b>Gro-Sure Perlite</b>
<b>Usage</b>	Soil improver
<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

#### Classification of the Substance or Mixture According to Directive 67/548/EEC or Directive 1999/45/EC:

Not classified

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

Not applicable

**Other Information:** Airborne respirable dust may be generated during handling and use. Dust contains crystalline silica. Prolonged and or massive inhalation of respirable crystalline silica may cause lung fibrosis, commonly referred to as silicosis.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Perlite (CAS 93763-70-3) containing less than 0.7 % respirable crystalline silica

This mixture does not contain ingredients classified as hazardous substances



#### 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.  
Get medical advice if any symptoms occur or persist
- Inhalation:** Move person to fresh air.  
Keep patient warm and at rest.  
Induce coughing
- Skin Contact:** Wash off with soap and plenty of water.
- Eye Contact:** Rinse with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses and continue flushing.  
Seek medical attention if particles are still stuck in eye
- Ingestion:** Rinse out mouth and then drink plenty of water  
Do not induce vomiting
- Treatment (Medical Advice):** Information not available

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

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

No hazardous thermal decomposition products

**Special Protective Equipment for Fire Fighters:**

Wear full protective clothing and self-contained breathing apparatus.

**Further Information:** None

#### 6. ACCIDENTAL RELEASE MEASURES

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

Avoid formation / breathing of dust  
Ensure adequate ventilation and wear appropriate PPE if required

**Environmental Precautions:**

No special requirement.  
Waste generated during application or spillage is not considered hazardous

**Methods and Materials for Containment and Cleaning Up:**

Avoid dry sweeping and use vacuum cleaning system to prevent airborne dust formation  
Place into suitable labelled containers for disposal according to local / national regulations



## 7. HANDLING AND STORAGE

### Handling:

- Prevent dust formation and inhalation
- Provide appropriate exhaust ventilation at places where airborne dust is generated
- Avoid contact with eyes and skin
- Wear suitable respiratory protective equipment in case of insufficient ventilation
- Do not eat, drink or smoke when handling this product
- Wash hands and observe good hygiene practice after handling this product

### Storage:

- Keep product in original labeled containers
- Store packed products so as to prevent accidental bursting

### Specific End Uses:

Use as an additive in growing media 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. Maintain personnel exposure limit for inhalable and respirable dust as per national regulations

### Exposure Controls

#### Engineering Measures:

Avoid high dust concentration and provide ventilation where necessary to keep airborne levels below specified exposure limits

#### 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:

Use suitable dust respirator in case of prolonged exposure, if dust concentration is high or if a risk assessment indicates this is necessary. (Filter P3)

#### Hand Protection:

Wear suitable gloves when handling the product over long periods, if person suffers from dermatitis or sensitive skin 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:** White light solid  
**Odour:** Odourless

**Other Properties:**

	Value	Temperature
pH (100g/l)	6.5 – 7.5	20 °C
Melting Point	1250 - 1350 °C	
Density	80-250g/l	

No other relevant information available

## 10. STABILITY AND REACTIVITY

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

**Hazardous Reactions:** None known

**Hazardous Decomposition:** None known

**Incompatible Materials:** Materials that may be affected by dust

**Conditions to Avoid:** None in designated use

## 11. TOXICOLOGICAL INFORMATION

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

**Skin Irritation:** The product is not classified as skin irritant

**Serious Eye Irritation:** The product is mild irritant to eyes

**Respiratory or Skin Sensitization:** The product is not classified as a sensitizer. However, perlite may cause a mild irritation of the upper respiratory tract

**Long Term Toxicity:** The product is not classified as mutagenic, carcinogen, reproductive toxic or aspiration hazard

**STOT- repeated exposure:** Based on available data, the classification criteria are not met



## 12. ECOLOGICAL INFORMATION

- Ecotoxicity:** Based on 96h bioassays the product is not toxic for *Vibrio fischeri*, *Artemia franciscana* and *Sparus Aurata*.  
Based on field studies the product is not toxic for *Patella* sp and *Monodonta* sp
- Persistence and Degradability:** Not relevant for inorganic substances
- Bioaccumulative Potential:** Not relevant for inorganic substances
- Mobility in Soil:** Negligible
- PBT and vPvB assessment:** Not relevant for inorganic substances
- Other Data:** No specific adverse effects are known

## 13. DISPOSAL CONSIDERATIONS

- Product:** Mix product with soil  
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
- Special precautions for user:** None

## 15. REGULATORY INFORMATION

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

This product is classified in accordance with Directive 1999/45/EC and regulation 1272/2008.

**Chemical Safety Assessment:** Exempted from a Chemical Safety Assessment



## 16. OTHER INFORMATION

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

### 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.