



## SAFETY DATA SHEET

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

<b>Product</b>	<b>Sulphate of Potash</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="http://www.gardenhealth.com">www.gardenhealth.com</a>
<b>Emergency Tel</b>	08700 663566 (UK)

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Substance is not itself classified as hazardous. Some straight materials in powder form are classified as Xi: Irritant according to EC Directives 67/548/EEC or 1999/45/EC

**Human Health:** Products are of a low toxicity but prolonged skin or eye contact may cause some irritation

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Potassium Sulphate

**Hazardous Ingredients**

This product does not contain any hazardous ingredients in accordance to EU Regulations or National regulations.



#### 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.  
Get medical advice if symptoms persist
- Skin Contact:** Wash off with soap and plenty of water.
- 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 immediately
- Ingestion:** Do not induce vomiting  
Give milk or water to drink  
Get medical attention if more than small quantities have been swallowed.

**Most Important Symptoms and Effects, Both Acute and Delayed:**

- Risk of serious damage to eyes
- Ingestion of small quantities is unlikely to cause toxic effects. Large quantities may give rise to gastro-intestinal disorders
- Low toxicity dust but high concentration of air-borne material (nuisance dust) may cause irritation of the nose and upper respiratory tract with symptoms such as sore throat and coughing

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

- The product is not flammable
- Suitable extinguishing media for the surrounding fire should be used

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

- As the product contains organic components, fire will produce hazardous products of combustion
- Exposure to decomposition products may be a hazard to health

**Special Protective Equipment for Fire Fighters:**

- Wear full protective clothing and self-contained breathing apparatus.

**Further Information:**

- Do not allow 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



## 6. ACCIDENTAL RELEASE MEASURES

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

Refer to protective measures listed in section 8.  
Avoid breathing dust  
Do not smoke

### Environmental Precautions:

Do not allow to mix with combustible or organic substances  
Do not discharge into surface water or sanitary sewer system.

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

Sweep up and shovel into suitable containers for disposal according to local / national regulations  
Wash contaminated area with large quantities of water

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

## 7. HANDLING AND STORAGE

### Handling:

- Avoid dust formation and inhalation
- Avoid prolonged contact with skin
- Avoid any contact with eyes
- When using do not eat, drink or smoke
- For personal protection see Section 8
- Avoid contamination by materials such as diesel, oil, grease and other combustible and incompatible materials
- Avoid unnecessary exposure to atmosphere to prevent moisture pick up
- Avoid application of heat
- Wash hands and observe good hygiene practice after handling this product

### Storage:

- Avoid involvement in a fire or contamination
- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Locate away from sources of heat, fire and explosion
- Do not smoke or use naked lights in the storage area
- Keep away from combustible materials and chemical substances

### Specific End Uses:

Use as fertiliser according to the instruction on the label



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Component(s)	Exposure Limit(s)	Type of exposure limit
Nuisance dust	10mg/m <sup>3</sup>	8 h TWA , Inhalable
Nuisance dust	3mg/m <sup>3</sup>	Respirable

### Exposure Controls

**Engineering Measures:** 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  
When selecting personal protective equipment, seek appropriate professional advice  
Personal protective equipment should be certified to appropriate standards

**Respiratory Protection:** Use suitable dust respirator if dust concentration is high

**Hand Protection:** Wear suitable gloves when handling the product over long periods.

**Eye Protection:** Wear eye protection

**Skin and Body Protection:** No special protective equipment required  
Select skin and body protection based on the physical job requirements

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White, light brown or pink powder

**Odour:** Odourless or acidic

### Other Properties:

	Value	Temperature	Method
pH (100g/l)	3.5-6.0		
Bulk density	900-1100 kg/m <sup>3</sup>		
Water solubility	Soluble in water, extent depends on composition Product may be hygroscopic		



## 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 (Sulphur oxides)
- Conditions To Avoid:** High temperature  
Strong oxidising agents, alkalis and acids  
Contamination by incompatible/combustible materials  
Application of heat and confinement e.g. welding or hot work on equipment or plant which may have contained fertiliser without first washing thoroughly to remove all fertiliser

## 11. TOXICOLOGICAL INFORMATION

This product is expected to be of a low toxicity but prolonged skin or eye contact may cause some irritation

- Acute Oral Toxicity:** Median lethal dose rat, LD50 > 2,000 mg/kg.
- Acute Inhalation Toxicity:** Prolonged exposure to dust may cause irritation
- Acute Dermal Toxicity:** Prolonged contact may cause irritation of the skin and mucous tissues
- Eye Irritation:** Risk of serious damage to eyes
- Sensitization:** None reported
- Long Term Toxicity:** None reported

## 12. ECOLOGICAL INFORMATION

- Ecotoxicity:** Low toxicity to aquatic life
- Mobility:** Fertiliser partially soluble in water
- Persistence and Degradability:** The dissolved potassium ion in the soil solution is adsorbed by clay minerals; where these are absent in light soils part of the potassium may be leached
- Bioaccumulation:** The product does not show any bioaccumulation phenomena
- Other Data:** Heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters  
Keep away from water courses, report any accidental contamination of water courses to the authorities



### 13. DISPOSAL CONSIDERATIONS

- Product:** Do not contaminate ponds, waterways or ditches with product or used container. 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 for recycling, incineration, land filling or disposed of in compliance with applicable local regulations

### 14. TRANSPORT INFORMATION

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

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

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

Do not transport with combustible materials

Ensure that the transport is clean before loading the product

### 15. REGULATORY INFORMATION

This product is subject to the following regulations, conventions or codes:

- EC Regulations: Regulation 2003/2003/EC relating to fertilizers, OJ 304/1, 20.11.2003
- National Regulations: The Fertilisers Regulations 1991, SI No 2197 (as amended in 1995 and 1998)  
The EC Fertilisers Regulations 2006 (England and Wales), SI No 2486



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## 16. OTHER INFORMATION

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

**Source of Data and References:** Guidance for the Storage, Handling and Transportation of Solid Mineral Fertilisers (EFMA), 2007

### Abbreviations and Acronyms

CAS No	Chemicals Abstract Service Registry Number
Regulation (EC) No 1272/2008	Classification, Labelling and packaging
Directive 67/548/EEC	Dangerous Substances Directive
Directive 91/689/EEC	Directive on Hazardous Waste
IMDG Code	International Maritime Dangerous Goods Code
ADR	International carriage of dangerous Goods by Road

### Further information

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

The information in this Safety Data Sheet has been prepared in accordance with the applicable European Directives. The information is believed to be correct at the time of going to press. Always read the label and product information before use. For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.