



## SAFETY DATA SHEET

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

<b>Product</b>	<b>Jack's Magic Traditional Fertiliser</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>	customerservice@WestlandHorticulture.com
<b>Emergency Tel</b>	08700 663566 (UK)

### 2. HAZARDS IDENTIFICATION


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

Skin Irrit., 2	H315
Eye Irrit., 2	H319

#### 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:

Hazard Pictograms	GHS07	
Signal Word	Warning	
Hazard Statements	H315: Causes skin irritation H319: Causes serious eye irritation	

#### Precautionary Statements








P102	Keep out of reach of children:
P280	Wear protective gloves and eye protection
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313	If eye irritation persists: Get medical advice/attention.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking
P220	Store away from combustible materials and chemicals
P370	In case of fire: use flooding quantities of water for extinction
Other hazards	None known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Description** Mixture

Hazardous components/components having designated Workplace Exposure Limits:

Ingredient	Identifiers	Concentration on %W/W	Warning Symbols	Directive 67/548/EEC	Regulation (EC) No 1272/2008 (CLP)
Limestone	CAS : 1317-65-3	12%		Xi; R36/38	Skin Irrit.2 H315 Eye Irrit.2 H319
Potassium Hydrogen-sulphate	CAS : 7646-93-7	< 3%		C; R34, R37	Skin Corr. 1B H314 STOT SE 3 H335
Manganese Sulphate	CAS: 10034-96-5 EC: 232-089-9	< 1%	  	Xn; R48/20/22 N; R51/53	Eye Dam 1. H318 STOT RE 2. H373 Aquatic Chr 2. H411
Copper Sulphate Pentahydrate	CAS: 7758-99-8 EC: 231-847-6	< 1%	 	Xn; R22 Xi; R36/38 N; R50/53  M factor = 10 Acute	Acute Tox 4. H302 Skin Irrit 2. H315 Eye Irrit 2. H319 Aquatic Acu 1 H400 Aquatic Chr 1. H410
Sodium Molybdate Dyhydrate	CAS: 10102-40-6 EC: 231-551-7	<1%	NA	Not classified	Not classified

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



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#### 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:** Small quantities are unlikely to cause toxic effects.  
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.  
Get medical advice if irritation persists
- 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:** Do not induce vomiting unless directed to do so by medical personnel  
Rinse out mouth and then drink water or milk  
Get medical attention if more than small quantities have been swallowed
- Information for doctor:** No specific treatment, treat symptomatically

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Use foam, carbon dioxide, dry powder, sand or water  
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:**

On heating it melts and further heating can cause decomposition  
As the product contains organic components, fire will produce hazardous products of combustion  
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



## 6. ACCIDENTAL RELEASE MEASURES

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

Wash down spillage promptly and avoid ingestion by livestock  
Avoid formation / breathing of dust  
Avoid contact with skin and eyes  
Ensure adequate ventilation

### **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
- Wash hands 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 contamination of drains or watercourses
- Keep away from heat sources and combustible materials

### **Specific End Uses:**

Use as fertiliser according to the instruction on the label



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

Ingredients with limit values that require monitoring at the workplace:

Ingredient	Work Exposure Limit (WEL)	
	Long-term Exposure Limit (8-hr TWA reference period)	Short-term Exposure Limit (15 minute reference period)
Limestone	Total Inhalable: 10 mg/m <sup>3</sup> Respirable: 4 mg/m <sup>3</sup>	
Manganese and its inorganic compounds (as Mn)	0.5 mg/m <sup>3</sup>	
Copper	Fumes: 0.2 mg/m <sup>3</sup> Dusts & Mists (as Cu): 1 mg/m <sup>3</sup>	Dusts & Mists (as Cu): 2 mg/m <sup>3</sup>
Molybdenum compounds (as Mo)	Soluble Compounds: 5mg/m <sup>3</sup> Insoluble Compounds: 10mg/m <sup>3</sup>	Soluble Compounds: 10mg/m <sup>3</sup> Insoluble Compounds: 20mg/m <sup>3</sup>

### Exposure Controls

**Engineering Measures:** No special ventilation requirements.  
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 dust respirator if dust concentration is high

**Hand Protection:** Wear suitable 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:** Solid, dark brown/black granules  
**Odour:** Characteristic

**Other Properties:**

	Value	Temperature	Method
pH (100g/l)	5.5 - 7	20 °C	
Density	0.8 kg/l		

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:** None known  
**Conditions To Avoid:** Extremes of temperature

## 11. TOXICOLOGICAL INFORMATION

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

This mixture has not been assessed for toxicological effects. The toxicological classification of the product is based on the individual components and contents and is given in section 2

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not known significant effects or critical hazards  
Not classified as harmful to the environment in accordance with regulation 1272/2008 as amended

**Persistence and Degradability:** Information not available

- **Bioaccumulative Potential:** Information not available
- **PBT and vPvB assessment:** Not classified

**Other Data:** Keep away from water courses, ground water or sewage system. Report any accidental contamination of water courses to the authorities



### 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:** CSA not undertaken for this mixture



## 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

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

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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

R22	Harmful if swallowed
R34	Causes burns
R36/38	Irritating to skin and eyes
R37	Irritating to respiratory system
R48/20/22	Danger of serious damage to health by prolonged exposure via ingestion or inhalation.
R50/53	Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment





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## Full text of Classifications

- **CLP/GHS:**
  - Acute Tox 4; Acute Toxicity, Category 4
  - Aquatic Acu 1; Aquatic Acute Toxicity, Category 1
  - Aquatic Chr 1; Aquatic Chronic Toxicity, Category 1
  - Aquatic Chr 2; Aquatic Chronic Toxicity, Category 2
  - Eye Dam 1; Eye Damage, Category 1
  - Eye Irrit 2; Eye Irritation, Category 2
  - Skin Corr 1B; Skin Corrosion, Category 1B
  - Skin Irrit 2; Skin Irritation, Category 2
  - STOT RE 2; Specific Target Organ Toxicity – Repeated Exposure, Category 2
  - STOT SE 3; Specific Target Organ Toxicity – Single Exposure, Category 3
- **DSD/DPD:**
  - Xn; Harmful
  - Xi; Irritant
  - C; Corrosive
  - N; Dangerous for the environment

## 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.