



SAFETY DATA SHEET

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

Product	Gro-Sure Planting Magic Mix
Usage	Planting Aid
Supplier	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
Email	www.gardenhealth.com
Emergency Tel	08700 663566 (UK)

2. HAZARDS IDENTIFICATION

No ingredients present at levels leading to a classification of hazardous under the Chemicals (Hazard Information & Packaging) Regulations (CHIP).

Products are of low toxicity but prolonged skin or eye contact can cause some irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS









Description Mix of fertilisers, soil conditioners and moisture control granules

Hazardous Ingredients

This product contains ingredients, substances, mixtures, impurities or stabilizing additives required to be declared under Article 18(2) of Regulation (EC) No 1272/2008.

EEC Annex I of Directive 67/548/EEC contains a list of harmonised classifications and labelling for substances or groups of substances and the following Risk Phrases/Safety phrases (where applicable) are relevant to anyone using or handling this product:



CAS Number	Active Ingredient	Concentration	Directive 67/548/EEC		
			Warning Symbols		'R' Phrase(s)
6484-52-2	Ammonium Nitrate	7.2% W/W	 O	R8	
7785-87-7	Manganese Sulphate	0.03% W/W	  N Xn	R48/20/22 R51/53	
7758-98-7	Copper Sulphate	0.02% W/W	  N Xn	R22 R36/38 R50/53	
7720-78-7	Ferrous Sulphate	0.08% W/W	  Xn	R22 R36/38	
1330-43-4	Disodium tetraborate anhydrous	0.09% W/W	 T Repr. Cat 2	R60 R61	

For the full text of the R phrases and H Statements mentioned in this section, see section 16.

4. FIRST AID MEASURES

Skin Contact: Wash with soap and water following skin contact

Eye Contact: Flush eyes thoroughly with clean water or eye wash solution. Remove contact lenses and continue flushing.

Ingestion: Likely symptoms of ingestion are nausea, vomiting and diarrhea. Do not induce vomiting, seek medical attention.

Inhalation: Move the exposed individual from the area to fresh air.

If any discomfort persists after following the above advice seek immediate medical attention.



5. FIRE FIGHTING MEASURES

Although this product is not classified as flammable it should be remembered that any dust in sufficient concentration in air can present a fire or explosion hazard.

Suitable Extinguishing Media:

Use water only in flooding quantities

Specific Hazards Arising From the Substance Or Mixture:

Possible formation of toxic gases during heating or in fire: nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), sulphur dioxide (SO₂), phosphorous oxides, metal oxides and halogenated compounds

Special Protective Equipment for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.
Do not inhale explosion or combustion gases.

If significant amounts of this product are allowed to enter drain systems during fire fighting operations, the relevant Sewage Company and/or Local Authority should be informed immediately.

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions:

Avoid contact of spilt material and runoff with soil and surface waterways.

Methods and Materials For Containment And Cleaning Up:

Scoop up solid material and place into an appropriate labelled container for disposal according to local / national regulations (see section 13).
Do not mix with sawdust or other combustible materials
Avoid creating dusty conditions and prevent wind spread

Additional Advice: Heavy spillage may cause adverse environmental impact such as eutrophication in confined surface

If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

Handling:

- The generation of excessive amounts of dust should be avoided when handling this product.
- Do not eat or drink when using this product.
- Wash exposed skin with soap and water after using and before eating.
- Avoid all possible sources of ignition (spark or flame)



Storage:

- Store in a cool, dry, well ventilated environment.
- Locate away from sources of heat, fire or explosion
- Keep away from combustible materials and chemical substances
- Do not store near food or drink.
- Good housekeeping practices apply.
- The product will absorb moisture if exposed to air, replace lids when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Work Place Exposure Limits specify for dust (HSE): TWA 10 mg/m³ (inhalable)
 TWA 4 mg/m³ (respirable)

Respiratory: Use respiratory protection if your risk assessment indicates this is necessary. The 3M 8810 disposable respirator (or its equivalent) is suitable (Complies with EN149:2001) and will give adequate protection to people using or handling this product.

Eyes: Use eye protection if your risk assessment indicates this is necessary. General purpose clear polycarbonate goggles with a vented surround. (Complying with EN166 1-39B) are suitable and will give adequate protection to people using or handling this product.

Hands: Use general purpose lightweight gloves if your risk assessment indicates this is necessary.

Skin: In circumstances where prolonged exposure to skin is anticipated, the application of appropriate skin barrier cream should be used if your risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Granular structure

Colour: Mixed (White, blue, orange, brown)

Odour: Characteristic (sweet)

Decomposition: This product will not decompose readily if stored in a cool, dry, well ventilated environment

Other Properties:

	Value	Temperature	Method
pH	4.5		
Density	0.6 – 0.8 kg/l		
Solubility	Partially soluble in cold water		



10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions
Conditions to avoid:	High temperature, contamination by combustible materials, strong oxidising agents, ammonium nitrate, alkalis and acids, application of heat and confinement e.g. welding or hot work on equipment which may have contained fertiliser without total removal of product
Materials to avoid:	Reducing materials, metals, acids, alkalis and organic materials
Hazardous decomposition:	Combustion or thermal decomposition may result in toxic or irritant vapours being produced such as ammonia, sulphur oxides and iron oxides. In contact with alkaline materials it may release ammonia gas

11. TOXICOLOGICAL INFORMATION

The following claims are made based on available data. This product

Acute toxicity:	Is non toxic
Skin corrosion/irritation:	Does not corrode or irritate the skin
Serious eye damage/irritation:	Does not cause serious eye damage or irritation
Respiratory or skin sensitization:	Is not a respiratory or skin sensitizer
Germ cell mutagenicity:	Does not induce or increase the frequency of mutation in an organism
Carcinogenicity:	Does not have the ability or tendency to produce cancer
Reproductive toxicity:	Does not interfere with normal reproduction, or have adverse effects on sexual function or fertility in adult males or females,
STOT-single exposure:	Does not have data and/or information to evaluate specific target organ systemic toxicity following single exposure
STOT-repeated exposure:	Does not have data and/or information to evaluate specific target organ systemic toxicity following repeated exposure
Aspiration hazard.	Does not have aspiration toxicity data



12. ECOLOGICAL INFORMATION

The following claims are made based on available data. This product

Toxicity:	Low toxicity to aquatic life
Persistence and degradability:	The ammonium ion is adsorbed by soil particles. Phosphates are translocated in the soil over short distances and are then immobilized. The dissolved potassium ion in the soil is adsorbed by clay materials; part of the potassium may be leached where clay is absent.
Bioaccumulative potential:	This product does not contain pollutants that will bioaccumulate in living things
Mobility in soil:	Fertiliser partially soluble in water
Other adverse effects:	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 chemical or used container. Dispose of by use as a fertiliser on farm by spreading thinly on open ground. 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. Do not reuse empty containers

14. TRANSPORT INFORMATION

Not classified under any of the following regulations or codes:

- The IATA Dangerous Goods Regulations
- The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations
- The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

This product is not environmentally hazardous according to the criteria of the UN Model Regulations (as reflected in the IMDG Code, ADR, RID and ADN) and/or a marine pollutant according to the IMDG Code.

There are no special transportation precautions the user of this product should be aware of.



15. REGULATORY INFORMATION

This product is not subject to the following regulations, conventions or codes:

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on substances that deplete the ozone layer
- Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants
- Directive 79/117/EEC (3) Concerning the export and import of dangerous chemicals
- Regulation (EC) No 689/2008 of the European Parliament and of the Council concerning the export and import of dangerous chemicals

This product is not subject to specific regulatory provisions in relation to protection of human health or the environment.

16. OTHER INFORMATION

Recommended uses and restrictions: Follow the instructions

Full text of R Phrases referred to under Section 3:

R8	Contact with combustible material may cause fire
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
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.
R60	May impair to fertility
R61	May cause harm to the unborn child

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.