

# Material Safety Data Sheet

## Amvista G2 Lawn Sand

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### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### **1.1 Product Identifier**

Product Name Amvista G2 Lawn Sand

#### **1.2 Relevant identified uses of the Substance or Mixture and uses advised against**

Identified uses Fertiliser

Uses identified against None identified

#### **1.3 Details of the Supplier of the Safety Data Sheet**

Supplier Angus Horticulture Limited  
Polmood  
Guthrie  
FORFAR  
DD8 2TW  
+44 (0) 1241 829049  
+44 (0) 1241 829043

#### **1.4 Emergency Contact Number**

Emergency telephone +44 (0) 1674 674253/674352

### SECTION 2 Hazards Identification

#### **2.1 Classification of the substance or mixture**

##### Classification

Physical hazards	Not Classified	
Health hazards	Acute Tox.4 -	H302
	Skin Irrit. 2 -	H315
	Eye Irrit. 2 -	H319

Environmental hazards Not classified

## 2.2 Label Elements



<b>Signal word</b>	<b>Warning</b>
<b>Hazard statements</b>	H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation.
<b>Precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P312 IF SWALLOWED: Call POISON CENTRE/Doctor/Physician if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 Specific treatment (see Section of this document). P330 Rinse mouth. P332+P313 If skin irritation occurs: get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
<b>Storage</b>	No storage statements
<b>Disposal</b>	P501 Dispose of contents container in accordance with local/regional/national/international regulations.

## 2.3 Other Hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

## SECTION 3 Composition/Information on Ingredients

### 3.2 Mixture

#### Ferrous Sulphate Monohydrate

<b>CAS number</b> 17375-41-6	<b>EC number</b>	<b>REACH Registration number</b>	<b>20-25%</b>
<b>Classification</b>	<b>Classification according to Regulation (EC) No: 1272-2008(CLP)</b>		
Acute Tox. 4 -	H302		
Skin Irrit. 2 -	H315		
Eye Irrit. 2 -	H319		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## **SECTION 4 First Aid Measures**

### **4.1 Description of first aid measures**

Inhalation	Remove to fresh air. Get medical attention for any breathing difficulty.
Eye contact	Rinse cautiously with running water. Check for and remove any contact lenses if possible. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.
Skin contact	Remove all contaminated clothing and wash before reuse. Wash affected area thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Ingestion	Get medical attention if symptoms are severe or persist. If conscious, give plenty of water to drink. Do not induce vomiting. Rinse mouth with water.
Self-protection for first aiders	No action shall be taken involving any personal risk or without suitable training. Personal protective equipment for first aid responders is recommended. Wear protective gloves when assisting patient.

### **4.2 Most important symptoms and effects, both acute and delayed**

Eye contact	Causes serious eye irritation. Symptoms include irritation, redness, swelling, excessive tearing, light sensitivity and pain.
Inhalation	Symptoms of irritation include coughing, sore throat, and shortness of breath.
Skin contact	May cause skin irritation. Prolonged contact may cause redness, irritation and dry skin.
Ingestion	Ingestion should not occur under normal handling conditions.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Immediate/special treatment	Eye bathing equipment should be available on the premises.
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In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## **SECTION 5 Firefighting Measures**

### **5.1 Extinguishing media**

Suitable extinguishing media	Use any extinguisher media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable.

### **5.2 Special hazards arising from the substance or mixture**

Hazardous combustion products	Decomposition products may include sulphur oxide (SO <sub>x</sub> ).
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### **5.3 Advice for firefighters**

Protective actions during Firefighting	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken immediately involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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Special protective equipment For firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots
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## **SECTION 6 Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

6.1.1 Protective Equipment	Those dealing with major releases should wear full protective clothing including respiratory protection.
Emergency Procedures	If safe to do so turn leaking containers leak-side up to prevent further leakage. Do not touch or walk through spilled product. Evacuate unnecessary personnel.

6.1.2 For Emergency Responders	Use appropriate personal protective equipment.
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### **6.2 Environmental procedures**

Environmental precautions	Avoid dispersal of split material and runoff. Avoid contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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### **6.3 Methods and material for containment and cleaning up**

Clean up Procedures	For small spills, move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. For large spills, move containers from spill area. Approach the release from upwind. Prevent entry in to sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
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### **6.4 Reference to other sections**

Refer to Section 8, Exposure controls/personal protection, and Section 13, Disposal considerations, of SDS. For waste disposal, see Section 13.

## **SECTION 7 Handling and Storage**

### **7.1 Precautions for safe handling**

Protective Measures	Use appropriate personal protective equipment. Do no ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.
Measures to prevent fire:	Keep away from open flames, hot surfaces and sources of ignition.
To protect the environment:	Prevent discharge in to water courses.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety procedures. Wash hands with soap and water before eating, drinking, or smoking and again when leaving work.

### 7.2 Condition for safe storage, including any incompatibilities

Technical Measures	Ensure storage is in accordance with all applicable local, regional and national regulations. Storage construction should be of non-combustible material.
Packaging materials	Store in original container.
Requirements for storage	Keep container tightly closed and sealed until ready for use. Store in a cool, well-ventilated area away from incompatible materials, and food and drink. Containers that have been opened must be resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Avoid freezing and avoid high temperatures.

### 7.3 Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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## **SECTION 8 Exposure Control/Personal Protection**

### 8.1 Control parameters

#### Occupational Exposure Limits

Ferrous Sulphate Monohydrate Exposure limit values	Not available.
DNEL	Workers – Dermal; Long term systemic effects: 2.8mg/kg bw/day General population – Dermal; Long term systemic effects: 1.4mg/kg bw/day General population – Oral; Long term systemic effects: 0.28mg/kg bw/day
PNEC	Not available

### 8.2 Exposure Controls

#### Protective Equipment



#### **Appropriate Engineering Controls**

Handling should only take place in adequately ventilated areas.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all contaminated clothing.

#### **Personal Protective Equipment**

If insufficient ventilation, wear respiratory protection.  
Protective goggles, face-shield or visor should be worn.  
Protective (heat resistant) gloves should be worn.  
Protective work clothing and footwear should be worn to prevent repeated or prolonged skin contact.

Environmental Exposure Controls    Do not empty in to drains, sewers, waterways or ground water systems..

## **SECTION 9: Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	Granules
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Upper/lower flammability or Explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

## **SECTION 10 Stability and Reactivity**

### **Ferrous Sulphate Monohydrate**

#### **10.1 Reactivity**

Reactivity	Stable under normal temperatures and pressures.
Stability	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Avoid high temperatures, excessive heat and incompatible materials.
Incompatible materials	Hydrogen is produced on contact with non-noble materials
Hazardous decomposition products	Thermal decomposition can lead to release of toxic fumes of sulphur oxides

## 10.2 Chemical Stability

### **SECTION 11 Toxicological Information**

#### **11.1 Information on toxicological effects**

##### Acute toxicity – oral

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	LD50 Oral, RAT: 2625mg/kg bw.

##### Skin corrosion/irritation

Product Mixture	May cause skin irritation.
Ferrous Sulphate Monohydrate	Causes skin irritation.

##### Serious eye damage/irritation

Product Mixture	May cause eye irritation
Ferrous Sulphate Monohydrate	Causes eye irritation.

##### Respiratory or skin sensitisation

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not sensitising

##### Germ cell mutagenicity

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	In-vitro: this substance shows no evidence of mutagenic properties. In-vivo: this substance shows no evidence of mutagenic properties.

##### Carcinogenicity

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not Classified – lack of data

##### Reproductive toxicity

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not Classified – lack of data

##### STOT – single exposure

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not Classified – lack of data

##### STOT – repeated exposure

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not Classified – lack of data

##### Aspiration Hazard

Product Mixture	Not Classified – lack of data
Ferrous Sulphate Monohydrate	Not Classified – lack of data

Symptoms/injuries after skin contact      Can cause skin irritation. Prolonged contact might cause redness, irritation and dry skin.

Symptoms/injuries after eye contact      Can cause serious eye irritation. Symptoms include redness, pain, swelling, itching, burning, tearing and blurred vision.

Symptoms/injuries after ingestion      Harmful if swallowed

## **SECTION 12 Ecological Information**

### **12.1 Toxicity**

#### **Fish – short term toxicity**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

#### **Fish – long term toxicity**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

#### **Aquatic invertebrates – short term toxicity**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

#### **Aquatic invertebrates – long term toxicity**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

#### **Toxicity to aquatic algae and cyanobacteria**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

#### **Toxicity to microorganisms**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

### **12.2 Persistence and Degradability**

#### **Biodegradation**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

### **12.3 Bioaccumulative Potential**

#### **Bioaccumulation factor**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

### **12.4 Mobility in Soil**

#### **Absorption/Desorption**

Product Mixture	No data available
Ferrous Sulphate Monohydrate	No data available

### **12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB Assessment	This product does not contain any substances classified as PBT or vPvB
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## **SECTION 13 Disposal Considerations**

### **13.1 Waste Treatment Methods**

General information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority
Packaging disposal recommendations	Packaging should be disposed by landfill or incineration as appropriate, in accordance with relevant regulations. Do not remove the label from the packaging unless the packaging has been thoroughly cleaned.
Sewage disposal recommendations	This product may be hazardous to the aquatic environment. Keep out of sewers and waterways.
Waste disposal recommendations	Place in an appropriate container and dispose of in a safe way.

## **SECTION 14 Transport Information**

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
<u>14.1 UN Number</u>	Not Applicable
<u>14.2 UN proper Shipping Name</u>	Not Applicable
<u>14.3 Transport Hazard Class(es)</u>	No transport warning sign required
<u>14.4 Packing Group</u>	Not Applicable
<u>14.5 Environmental Hazards</u>	
Environmentally hazardous	This product is not environmentally hazardous according to the criteria of the UN Model Regulations, nor is it a marine pollutant according to the IMDG Code substance/marine pollutant
<u>14.6 Special precautions for user</u>	Not Applicable
<u>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>	
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not Applicable

## **SECTION 15 Regulatory Information**

### **15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture**

EU Legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
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#### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

#### **SECTION 16 Other Information**

The information in the safety document applies only to the specific product detailed in Section 1 and is not necessarily correct for use with other chemicals/products.

The product information in this data sheet is, to the best of Angus Horticulture's knowledge, correct at the date of publication.

The Manufacturer or Supplier does not accept liability for any loss or damage resulting from reliance on this information. Final determination of the suitability of any product is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, it cannot be guaranteed that these are the only hazards that exist.