

MATERIAL SAFETY DATA SHEET
Amvista G3 Classic Balanced Spring & Summer Fertiliser

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	Amvista G3 Classic Balanced Spring & Summer Fertiliser
REACH registration notes	This Mixture is exempt from REACH registration according to Regulation (EC) No 1907/2006 (REACH).

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Fertiliser
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1.3 Details of the supplier of the safety data sheet

Supplier	Angus Horticulture Polmood, Guthrie Forfar, Angus, DD8 2TW
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1.4 Emergency telephone number

	+44 (0) 1241 829049
Emergency telephone number	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC1272/2008)

Physical hazards	Not classified
Health hazards	Eye Irrit. 2- H319
Environmental hazards	Not classified

2.2 Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation

Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338 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
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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 Mixtures

SSP Single Superphosphate	EC Number: 232-379-5	
CAS Number: 8011-76-5	REACH registration Number: 01-2119488967-11-XXX	10-30%

Classification Eye Irrit. 2 – H319	Classification (67/548/EEC or 1999/45/EC) Xi: R41
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The Full text for all R-Phrases and Hazard Statement are Displayed in Section 16

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SECTION 4: First Aid measures

4.1 Description of first aid measures

Inhalation	Get medical attention if symptoms are severe or persist
Ingestion	Get medical attention if symptoms are severe or persist.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Rinse immediately with plenty water. Remove contact lenses, if present and easy to do so. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Dust in high concentrations may irritate the respiratory system
Ingestion	No harmful effects expected from quantities likely to be ingested by accident
Skin contact	Skin irritation should not occur when used as recommended. May cause irritation. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Not applicable

5.2 Special hazards arising from the substance or mixture

Special hazards	None known
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5.3 Advice for firefighters

Protective actions during firefighting	Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment firefighters	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.
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6.2 Environmental precautions

Environmental precautions	The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Take care as floors and others surfaces may become slippery. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Collect and dispose of spillage as indicated in Section 13
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6.4 Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

Advice on general occupational Hygiene Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in a dry place. Keep container in a well-ventilated place. Keep out of reach of children. Store away from incompatible materials (see Section 10)

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2

SECTION 8: Exposure controls/Personal protection

8.1 Control parameters Occupational exposure limits

Ammonium Sulphate Long-term exposure limit (8-hour TWA); LTEL 10mg/m³

Sand (L) Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1mg/m³

Dolomite Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

WEL = Workplace Exposure Limit

SSP Single Superphosphate (CAS: 8011-76-5)

DNEL Workers - Inhalation; Long term systemic effects: 3.1 mg/m³
Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day.
General population - Inhalation; Long term systemic effects: 0.9 mg/m³.
General population - Oral; Long term systemic effects: 2.1 mg/kg/day
General population - Dermal; Long term systemic effects: 10.4 mg/kg/day

PNEC - Fresh water; 1.7 mg/l
- marine water; 0.17 mg/l
- Intermittent release; 17 mg/l
- STP; 10 mg/l

Potash (CAS: 7447-40-7)

DNEL Workers - Dermal; Short term systemic effects: 580 mg/kg/day
Workers – Dermal; Long term systemic effects: 580 mg/kg/day
Workers – Inhalation: Short term systemic effects: 292mg/m³
Workers – Inhalation; Long term systemic effects: 292mg/m³

PNEC - Fresh Water; 0.47mg/l
- Marine Water; 0.047mg/l

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8.2 Exposure Controls

Protective equipment



Appropriate engineering controls

All handling should only take place in well-ventilated areas

Eye/Face Protection

Wear eye protection

Hand Protection

Wear protective gloves

Other skin & body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact

Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product

Respiratory protection

No specific recommendations

SECTION 9: Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Granules
Colour	Beige to Dark Brown or Black
Odour	Mild
Odour threshold	Not determined
pH	Slightly Acidic
Melting Point	Not relevant
Initial Boiling Point & Range	Not relevant
Flash Point	Not relevant
Evaporation Rate	Not relevant
Flammability (solid,gas)	The product is not flammable
Vapour pressure	Not relevant
Vapour density	Not relevant
Relative density	Not relevant
Solubility (ies)	Not known
Partition coefficient	Not known
Auto-ignition temperature	Not relevant
Decomposition Temperature	Not relevant
Viscosity	Not relevant
Explosive properties	Not relevant
Oxidising properties	Does not meet the criteria for classification as oxidising

9.2 Other information

Other information No information required

SECTION 10: Stability & Reactivity

10.1 Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients

10.2 Chemical Stability

Stability Stable when stored in a dry place

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known

10.4 Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in hazardous situation

10.5 Incompatible materials

Materials to avoid None known

10.6 Hazardous decomposition products

Hazardous decomposition products None known

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SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicological effects	No information available
<u>Acute toxicity – oral</u>	
Notes (oral LD ₅₀)	No information available
<u>Acute toxicity – dermal</u>	
Notes (dermal LD ₅₀)	No information available
<u>Acute toxicity – inhalation</u>	
Notes (inhalation LC ₅₀)	No information available
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	May cause skin irritation
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Irritation of eyes is assumed. In-vitro testing conducted on products with SSP Content <62%, 2015, Result: Reduced classification to Eye Irritant. Test Guideline OECD 438. This result is less severe than the harmonised classification for Super Phosphates as Eye Damage 1 H318.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No specific test data are available
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity – in vitro	This substance has no evidence of mutagenic properties
<u>Carcinogenicity</u>	
Carcinogenicity	No specific test data are available.
<u>Reproductive toxicity</u>	
Reproductive toxicity – fertility	Does not contain any substances known to be toxic to reproduction
<u>Specific target organ toxicity – repeated exposure</u>	
STOT – repeated exposure	Not classified as a specific target organ toxicant after repeated exposure
<u>Aspiration hazard</u>	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure
<u>Skin contact</u>	
Skin contact	Skin irritation should not occur when used as recommended
<u>Eye contact</u>	
Eye contact	The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

Persistence and degradability The product is slowly degradable

12.3 Bioaccumulative potential

Partition coefficient Not known

12.4 Mobility in soil

Mobility No data available

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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

12.6 Other Adverse effects

Other adverse effects Not relevant

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.

Disposal methods The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Only store in correctly labelled containers. Dispose of contents/ container in accordance with national regulations. No specific disposal method required. Do not empty into drains.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number Not applicable

14.2 UN proper shipping name Not applicable

14.3 Transport hazard class(es) No transport sign warning required

14.4 Packing group Not applicable

14.5 Environmental hazards

Environmental hazardous substance/marine pollutant No

14.6 Special precautions for user Not applicable

14.7 Transport in bulk to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL and the 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 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2 Chemical safety assessment No chemical safety assessment has been carried out

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SECTION 16: Other information

Abbreviations & Acronyms

Used in the safety data sheet

ATE: Acute Toxicity Estimate
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS: Chemical Abstracts Service
DNEL: Derived No Effect level
GHS: Globally Harmonised System
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air
LC₅₀: Lethal Concentration to 50% of a test population
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose)
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SVHC: Substances of Very High Concern
vPvB: Very Persistent and Very Bioaccumulative
cATpE: Converted Acute Toxicity Point Estimate
LOAEC: Lowest Observed Adverse Effect Concentration
LOAEL: Lowest Observed Adverse Effect Level
EC₅₀: 50% of maximal Effective Concentration
NOAEL: No Observed Adverse Effect Level
NOEC: No Observed Effect Concentration
LOEC: Lowest Observed Effect Concentration
DMEL: Derived Minimal Effect Level

Risk phrases in full

R41 Risk of serious damage to eyes

Hazard statements in full

H319 Causes serious eye irritation