

Material Safety Data Sheet

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product Name Angus Premier Blue

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

Identified uses:

- Spray Indicator

Uses identified against:

- None identified

1.3 Details of the supplier of the safety data sheet

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 Polmood, Guthrie
 Forfar, Angus
 DD8 2TW
Telephone: +44 (0)1241 829049
Fax: +44 (0)1241 829043
Email: sales@angus-horticulture.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0)1674 674253

2. Hazards identification

2.1 Classification of the substance or mixture

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazards: Not classified

2.2 Label elements

Precautionary Statements:

Prevention: P262 Do not get in eyes, on skin or on clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage: No storage statements.

Disposal: No disposal statements.

2.3 Other Hazards

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

3. Composition/information on ingredients

Product Name	Identifiers			% in mixture (%)	Classification according to Regulation (EC) No. 1272/2008 (CLP)
	CAS No.	EC No.	REACH Registration No.		
Blue spray pattern indicator (Dye)	-	-	-	40-60	Not classified

4. First aid measures

4.1 Description of first aid measures

Following inhalation: Remove from exposure. Get medical attention for any breathing difficulty.

Following eye contact: Rinse cautiously with running water. Check for and remove any contact lenses if possible and open eyes wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

Following skin contact: Wash affected area thoroughly with soap and water or use an approved skin cleanser.

Following ingestion: Rinse mouth immediately. Give plenty of water to drink. If swallowed, do not induce vomiting. Seek medical attention.

Self-protection of 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: Can cause irritation and redness.

Inhalation: No data available.

Skin contact: Temporary staining of skin.

Ingestion: May cause irritation of the throat.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Treat symptomatically. Eye bathing equipment should be available on the premises.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media suitable for the surrounding fire. Use water spray to cool containers.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: The formation of toxic fumes is possible in case of fire.

5.3 Advice for firefighters

Protective actions: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken 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.

Special protective equipment: For fires in closed or confined spaces, 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 and gloves) conforming to European standard EC 469 will provide a basic level of protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: Those dealing with major releases should wear protective clothing.

Emergency procedures: Remove sources of heat and ignition. 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.

6.2 Environmental precautions

Contain the spillage using bunding. Do not discharge in to rain water drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb in to dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Refer to Sections 8, Exposure controls/personal protection, and Section 13, Disposal considerations, of SDS.

7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Use appropriate personal protective equipment. Do not 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 Conditions 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 combustible and reducing materials, and food and drink. Containers that have been opened must be resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep away from direct sunlight.

7.3 Specific end use(s)

Recommendations: The identified uses for this product are detailed in Section 1.2.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.
DNEL: No data available.
PNEC: No data available.

8.2 Exposure controls

Appropriate engineering measures: Handling should only take place in adequately ventilated areas. Respiratory protection not required. If spraying, a mask should be worn.

Personal protective equipment:	Immediately remove all contaminated clothing. Safety glasses should be worn and an eye bath should be available. Protective 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.

9. Physical and chemical properties

Appearance:	Turquoise liquid.
Odour:	Perceptible odour.
Odour Threshold:	Not determined.
pH:	6-7
Melting point / freezing point:	No data available.
Initial boiling point and boiling 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.

10. Stability and reactivity

Reactivity:	Stable under recommended storage and transport conditions.
Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reactions will not occur under normal processing. Decomposition may occur on exposure to incompatible conditions or materials.
Conditions to avoid:	Avoid contact with hot surfaces.
Incompatible materials:	Avoid strong oxidising agents and strong acids.
Hazardous decomposition products:	In combustion emits toxic fumes.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity

Product: LD50 Oral, rat: >5000 mg/kg

Skin corrosion/irritation

Product: Not classified – lack of data.

SSP Single Superphosphate:	Not classified – lack of data.
Serious eye damage/irritation Product:	Not classified – lack of data.
Respiratory or skin sensitisation Product:	Not classified – lack of data.
Germ Cell Mutagenicity: Product:	Not classified – lack of data.
Carcinogenicity Product:	Not classified – lack of data.
Reproductive toxicity Product:	Not classified – lack of data.
STOT-single exposure Product:	Not classified – lack of data.
STOT-repeated exposure Product:	Not classified – lack of data.
Aspiration Hazard Product:	Not classified – lack of data.
Symptoms/injuries after skin contact:	Temporary staining of skin.
Symptoms/injuries after eye contact:	Can cause irritation and redness.
Symptoms/injuries after ingestion:	Can cause irritation of the throat.
Symptoms/injuries after inhalation:	No data available.

12. Ecological information

12.1 Toxicity

Ecotoxicity:
Product: No data available.

12.2 Persistence and degradability

Biodegradation
Product: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation factor
Product: No data available.

12.4 Mobility in soil

Adsorption/Desorption
Product: Readily absorbed in to soil.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT or vPvB substance.

12.6 Other adverse effects

Product: Negligible ecotoxicity.

13. Disposal considerations

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.

14. Transport information

General:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
UN Number:	Not applicable.
UN proper shipping name:	Not applicable.
Transport hazard class(es):	No transport warning sign required.
Packing group:	Not applicable.
Environmental hazards:	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.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th 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).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

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 knowledge of Angus Horticulture Ltd., 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.