MATERIAL SAFETY DATA SHEET
46-0-0 ProloNg™

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

1.1 Product identifier

Product name 46-0-0 ProloNg™

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

1.4 Emergency telephone number

Emergency telephone number 01865 407333 ANGUSHORTICULTURE29003-NCEC
Contact National Chemical Emergency Centre

National response centre
Address NHS Direct
Emergency telephone number +44 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification
Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

2.2 Label elements

Hazard pictograms Not relevant.
Signal word Not relevant.
Hazard statements Not relevant.
Precautionary statements Not relevant.

2.3 Other hazards

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

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SECTION 3: Composition/information on ingredients

3.1 Mixtures

Urea **30-40%**
CAS number: 57-13-6 EC number: 200-315-5
REACH Registration Number: 01-2119493057-33-XXXX
Classification (67/548/EEC or 1999/45/EC)

SECTION 4: First Aid measures

4.1 Description of first aid measures

Inhalation Remove to air. Get medical attention if symptoms are severe or persist.
Ingestion Rinse mouth with water. If person is conscious, give plenty of water to drink. Get medical attention if symptoms are severe or persist.
Skin contact Remove all contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe of persist.
Eye contact Rinse immediately with plenty of 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.
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 a patient.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact Prolonged or repeated exposure might result in eye irritation.
Inhalation Dust in high concentrations might irritate the respiratory system.
Skin contact Skin irritation should not occur when used as recommended.
Ingestion No harmful effects expected from quantities likely to be ingested by accident.

4.3 Indication of any immediate medical attention and special treatment needed
Unlikely to be required, but, if necessary, treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture
Irritating substances may be emitted upon thermal combustion so self-contained breathing apparatus will be required.

5.3 Advice for firefighters Dilute toxic gases with water spray. Use protective measures that suit the hazard conditions.

SECTION 6: Accidental release measures

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

6.2 Environmental precautions Prevent large quantities of product from having contact with vegetation or waterways. Keep animals away from large spillages.

6.3 Methods and material for containment and cleaning up

Shovel product into suitable containers. Clean contaminated surfaces with an excess of water. Take care as floors and other surfaces may become slippery. Wash clothing and equipment. Collect and dispose of spillage as indicated in Section 13.

6.4 Reference to other sections See also Sections 8 & 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Keep away from open flames, hot surfaces and sources of ignition. Prevent discharge into water courses. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each shift and before eating, smoking and using toilet.

7.2 Conditions for safe storage, including any incompatibilities

Ensure storage is in accordance with all applicable local, regional and national regulations. Storage construction should be of non-combustible material. Store in original container. Store in a dry place. Keep container in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10).

7.3 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

Urea

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.

Urea (CAS: 57-13-6)

DNEL

Workers- Dermal; Long-term systemic effects: 580 mg/kg/day.
Workers - Inhalation; Long-term systemic effects: 292 mg/m³.
General Population – Inhalation; Long-term systemic effects: 125 mg/m³.
General Population - Dermal; Long-term systemic effects: 580 mg/kg bw/day.
General Population – Oral; Long-term systemic effects: 42 mg/kg bw/day.

PNEC

- Fresh water; 0.47 mg/l.

8.2 Exposure Controls

Protective equipment



Appropriate engineering controls All handling should only take place in well-ventilated areas. Wash hands thoroughly after **co** handling. Do not eat, drink or smoke when using this product. Keep away from foodstuffs, beverages and feed. Wear appropriate clothing to prevent repeated or prolonged skin contact. Immediately remove all contaminated clothing.

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SECTION 9: Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Granules
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Melting Point	No data available
Initial Boiling Point & Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	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	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	Does not meet the criteria for classification as oxidising

SECTION 10: Stability & Reactivity

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

10.2 Chemical Stability Stable when stored in a dry place.

10.3 Possibility of hazardous reactions
No potentially hazardous reactions known.

10.4 Conditions to avoid Keep away from heat sources.

10.5 Incompatible materials Avoid contact with oxidising agents.

10.6 Hazardous decomposition products
On burning, toxic and corrosive gasses/vapours (including metal oxide/oxides, halogenated compounds, ammonia, oxides of nitrogen and sulphur oxides) might be released.

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SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Product Mixture:

Acute Toxicity	No specific test data are available.
Irritation	Not classified, irritation should not occur when used as recommended.
Corrosivity	No classified.
Sensitisation	No specific test data available. Sensitisation should not occur when used as recommended.
Repeated Dose Toxicity	Not classified - lack of data
Carcinogenicity	No specific test data are available. There is no evidence that this product can cause cancer.
Germ Cell mutagenicity	This substance has no evidence of mutagenic properties.
Reproductive toxicity	Does not contain any substances known to be toxic to reproduction.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious Eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	No specific test data are available.
General Information	This product is considered to be a low hazard under normal condition of use.
11.2 Other information	Not known.

SECTION 12: Ecological information

12.1 Toxicity No data available. This product is not expected to be toxic to aquatic organisms.

12.2 Persistence and degradability
No data available.

12.3 Bio-accumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

SECTION 13: Disposal considerations

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

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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 Not classified as a Marine Pollutant.

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk 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.

SECTION 16: Other Information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date: 17/01/2014
Revision: 1
Supersedes date

Disclaimer

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.