

MATERIAL SAFETY DATA SHEET  
16-2-10 ProLoNg™



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

**1.1 Product identifier**

Product name 16-2-10 ProLoNg™  
REACH registration notes This Mixture is exempt from REACH registration according to Regulation (EC) No 1907/2006 (REACH). All raw materials used in the mixture are REACH registered where necessary.

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

Identified uses Fertiliser.

**1.3 Details of the supplier of the safety data sheet**

Supplier Angus Horticulture  
Polmood, Guthrie  
Forfar, Angus, DD8 2TW  
[sales@angus-horticulture.co.uk](mailto:sales@angus-horticulture.co.uk)

**1.4 Emergency telephone number**

Emergency telephone number +44 (0) 1241 829049

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification**

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 hands thoroughly after handling.  
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 so. Continue rinsing.  
P337+P313 If eye irritation persists: get medical advice/attention.

**2.3 Other hazards** This substance is not classified as PBT or vPvB according to current EU criteria.

**SECTION 3: Composition/information on ingredients**

**3.1 Mixtures**

SSP Single Superphosphate	EC Number: 232-379-5	
CAS Number: 8011-76-5	REACH registration Number: 01-2119488967-11-XXX	10-30%
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit 2 H319	Xi; R41	

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**SECTION 4: First Aid measures**

**4.1 Description of first aid measures**

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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**

<b>Inhalation</b>	Dust in high concentrations may irritate the respiratory system.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	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**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

None known.

**5.3 Advice for firefighters**

Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. 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**

Avoid inhalation of dust and contact with skin and eyes. Use 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.

**6.2 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.

**6.3 Methods and material for containment and 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.

**6.4 Reference to other sections**

For personal protection, see Section 8. For waste disposal, see Section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling** Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes. Do not eat, drink or smoke when using the 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**  
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**

**Ammonium Sulphate** Long-term exposure limit (8-hour TWA) WEL: 10mg/m<sup>3</sup>.

**Potassium Sulphate (SOP)** Long-term exposure limit (8-hour TWA) WEL: 10mg/m<sup>3</sup> inhalable dust.  
Long-term exposure limit (8-hour TWA) WEL: 10mg/m<sup>3</sup> respirable dust.

WEL = Workplace Exposure Limit.

**Potassium Sulphate SOP (CAS number: 7778-80-5)**

**DNEL** Workers - Dermal; Long term systemic effects: 21.3 mg/ m<sup>3</sup>.  
Workers - Inhalation; Long term systemic effects: 37.6 mg/kg bw/day.  
General population - Oral; Long term systemic effects: 12.8 mg/m<sup>3</sup>.  
General population - Dermal; Long term systemic effects: 12.8 mg/kg/day.  
General Population – Inhalation; Long term systemic effects 11.1mg/kg bw/day.

**PNEC** - Fresh water; 0.68 mg/l.  
- Marine water; 0.068 mg/l.  
- Intermittent release; 6.8 mg/l.  
- Sewage treatment plant; 10 mg/l.

**Urea (CAS Number: 57-13-6)**

**DNEL** Consumer – Oral; Long term systemic effects: 42 mg/kg/day.  
Consumer – Oral; Short term systemic effects: 42 mg/kg/day.  
Consumer – Dermal; Long term systemic effects: 580 mg/kg/day.  
Consumer – Dermal; Short term systemic effects: 580 mg/kg/day.  
Industry/Professional – Dermal; Long term systemic effects: 580 mg/kg/day.  
Industry/Professional – Dermal; Short term systemic effects: 580 mg/kg/day.  
Consumer – Inhalation; Long term systemic effects: 125 mg/m<sup>3</sup>.  
Consumer – Inhalation; Short term systemic effects: 125 mg/m<sup>3</sup>.  
Industry/Professional – Inhalation; Short term local effects: 292 mg/m<sup>3</sup>.  
Industry/Professional – Inhalation; Short term systemic effects: 292 mg/m<sup>3</sup>.

**PNEC** - Fresh water; 0.47 mg/l.  
- Marine water; 0.047 mg/l.

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### SSP Single Super Phosphate (CAS Number: 8011-76-5)

<b>DNEL</b>	Workers – Inhalation; Long term systemic effects 3.1 mg/ m <sup>3</sup> . Workers – Dermal; Long term systemic effects 17.4 mg/kg/ bw/day. General Population – Inhalation; Long term systemic effects 0.9 mg/ m <sup>3</sup> . General Population – Dermal; Long term systemic effects 2.1mg/kg bw/day.
<b>PNEC</b>	- Fresh water; 1.7mg/l. - Marine water; 0.17mg/l. - Intermittent releases; 17mg/l. - Sewage treatment plant; 10mg/l.

### **8.2 Exposure Controls**

#### Protective equipment



<b>Appropriate engineering control</b>	All handling should only take place in well-ventilated areas.
<b>Eye/Face Protection</b>	Wear eye protection.
<b>Hand Protection</b>	Wear protective gloves.
<b>Other skin &amp; body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	No specific recommendations.

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

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

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

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**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** There are no known conditions that are likely to result in hazardous situation.
- 10.5 Incompatible materials** Water, moisture.
- 10.6 Hazardous decomposition products** None known.

**SECTION 11: Toxicological Information**

**11.1 Information on toxicological effects**

**Acute toxicity – dermal**

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

**Acute toxicity – inhalation**

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

**Skin corrosion/irritation**

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Irritation of the 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.

**Respiratory sensitisation**

No specific test data are available.

**Skin sensitisation**

Not determined.

**Germ cell mutagenicity**

**Genotoxicity – in vitro** This substance has no evidence of mutagenic properties.

**Carcinogenicity**

No specific test data are available.

**Reproductive toxicity**

**Reproductive toxicity – fertility** Does not contain any substances known to be toxic to reproduction.

**Specific target organ toxicity – single exposure**

Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity – repeated exposure**

Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

Not anticipated to present an aspiration hazard, based on chemical structure.

**Eye contact**

The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**12.2 Persistence and degradability**

The product is slowly degradable.

**12.3 Bio-accumulative potential**

Not known.

**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.

**12.6 Other Adverse effects**

Not relevant.

**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. 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**

No.

**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.

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**SECTION 16: Other information**

<b>Abbreviations &amp; Acronyms</b>	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.
	LC <sub>50</sub>	Lethal Concentration of 50% of a test population.
	LD <sub>50</sub>	Lethal Dose to 50% of a test population (Median Lethal Dose).
	PBT	Persistent, Bio-accumulative 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 Bio-accumulative.
	cATpE	Converted Acute Toxicity Point Estimate.
	LOAEC	Lowest Observed Adverse Effect Concentration.
	LOAEL	Lowest Observed Adverse Effect Level.
	EC <sub>50</sub>	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.
<b>Risk phrases</b>	R41	Risk of serious damage to eyes.
<b>Hazard statements in full</b>	H319	Causes serious eye irritation.

**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.