



headland
AMENITY PRODUCTS

PRODUCT SAFETY DATA SHEET

XTEND SLOW RELEASE FERTILISER RANGE

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

1.1 Product identifier:

Xtend Slow Release Fertiliser Range

Xtend 22+2+8+MgO Xtend 15+2+20+MgO
Xtend 10+10+10+2MgO Xtend 46+0+0 Granular

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

Supplied as a Horticulture / Amenity fertiliser

1.3 Details of the supplier of the safety data sheet:

Headland Amenity Ltd,
1010 Cambourne Business Park,
Cambourne
Cambridgeshire
CB23 6DP
Tel : +44 (0) 1223 597834
Fax - +44 (0) 1223 598052
e-mail info@headlandamenity.com

1.4 Emergency telephone number:

Tel : +44 (0) 1223 597834

2. Hazards Identification:

2.1 Classification of the substance or mixture;

This mixture is not classified as harmful to humans or the environment according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation)

2.2 Label elements:

There are no statutory labelling requirements under Directive 1999/45/EC as the mixture is not classified as harmful to humans or the environment

2.3 Other hazards:

At high dust concentrations, may cause eye, skin, and mucous membrane irritation. None of the components in this product are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

3: Composition/information on ingredients:

3.2 Mixtures

Slow Release Fertilisers containing: Urea, organic nitrogen – dicyandiamide and N-(n-Butyl)-thiophosphoric triamide (UFLEXX).

4. First Aid Measures:

4.1 Description of first aid measures:

Eyes:	Irrigate with clean water for at least 15 minutes, remove contact lenses if present and easy to do so after 5 minutes. Seek medical attention if any irritation or redness persists.
Skin:	Wash thoroughly with soap and water. Seek medical advice if any irritation persists or develops later.
Ingestion:	If swallowed, wash out mouth with water. DO NOT induce vomiting. Obtain immediate medical advice.
Inhalation:	Remove from source of exposure into fresh air. Seek medical advice if irritation persists or develops later.

4.2 Most important symptoms and effects, both acute and delayed:

On inhalation of decomposition products: Risk of pulmonary oedema. Symptoms can appear later. Danger of methaemoglobin formulation.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat according to symptoms (decontamination, vital functions), treat with tolunium chloride to reverse methaemoglobinanaemia.

5. Fire Fighting Measures:

5.1 Extinguishing Media

Use Foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

At temperatures above 130°C. Dangerous decomposition gases can be emitted: Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia.

5.3 Advice for fire-fighters:

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Prevent contact with skin or eyes. Use coveralls and chemical resistant gloves with eye protection as necessary.

6.2 Environmental precautions:

DO NOT wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil and vegetation) in large quantities, contact local agency and/or police immediately.

6.3 Methods and material for containment and cleaning up:

Sweep carefully into suitable container for re-use or dispose at an approved site. Small spillages should be washed thoroughly with water.

6.4 Reference to other sections:

No reference

7. Handling and storage:

7.1 Precautions for safe handling:

When using, DO NOT eat, drink or smoke. Open container with care to avoid splashes
Keep away from heat and sources of ignition. Keep away from combustible material.

Long term storage at temperatures above 100oC (36oF) can result in significant decomposition of the N-(n-butyl)-thiophosphoric triamide. Open container with care to avoid generating dust. The product is incombustible. Keep away from heat and sources of ignition. Keep away from combustible material.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry atmosphere in original, labelled containers.

DO NOT store in metal or alloy packaging

Keep away from food, drink and animal feeding stuffs.

Refer to manufacturer for maximum safe stacking height.

7.3 Specific end use(s):

No further information available

8. Exposure controls/personal protection:

8.1 Control Parameters

Occupational Exposure limits

No OEL available

8.2 Exposure Controls

Good general ventilation should be used.

Primary Hazard considered handling as concentrate.

Breathing apparatus only if dust is formed. Particle filter EN143 Type P1, low efficiency, (solid particles of inert substances)

Goggles – Eye Protection : goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection: physical barrier protection only

9. Physical and Chemical Properties:

9.01 Appearance:	Blue-Green and brown mini-granules
9.02 Odour:	Slightly Sulphurous
9.03 pH:	Approx 6.5 at 100g/l (20°C)
9.04 Boiling Point / Range	decomposes at 130°C
9.05 Flash Point / Flammability:	Not classed as flammable,
9.06 Explosive Properties:	Not classified as explosive
9.07 Oxidising Properties:	Not classified as oxidising
9.08 Vapour Pressure:	Information not available
9.09 Relative Density:	Approx 0.76 g/ml
9.10 Solubility:	Product is slowly soluble in water
9.11 Partition Coefficient:	Information not available
9.12 Viscosity:	Information not available
9.13 Vapour Density:	Information not available
9.14 Evaporation Rate:	Information not available

9.2 Other Information

No other relevant information available

10. Stability and Reactivity:

10.1 Reactivity:

Not known.

10.2 Chemical Stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

Not known.

10.4 Conditions to avoid

Extremes of temperature. DO NOT overheat. Thermal decomposition takes place at 130°C.

10.5 Incompatible materials

Incompatible with acids, strong oxidizing agents and reducing agents

10.6 Hazardous decomposition products

Thermal decomposition will produce Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia

11. Toxicological Information:

11.1 Information on toxicological effects:

	Ingredient	Test	Result	Route	Species.
Potential chronic Health Effects:	Urea	LD50	8471mg/kg	Oral	Rat
	Mono-ammonium phosphate	LD50	>2000mg/kg	Oral	Rat
		LD50	>5000mg/kg	Dermal	Rabbit
	UFlexx	LD50	>14300mg/kg	Oral	Rat
	Carcinogenicity – Not classified or listed by IARC, NTP, OSHA, EU and ACGIH				

12. Ecological Information

12.1 Toxicity:

Not classified as harmful to the environment in accordance with the CHIP regulations 2009 and 1999/45/EC.

Do Not contaminate surface waters or ditched with chemical or used containers.

Ingredient	Species	Period	Results
Urea	Daphnia magna (EC50)	48 hours	3910mg/l
	Poecillia reticulata (LC50)	96 hours	17500mg/l
Magnesium sulphate (anhydrous)	Daphnia magna (EC50)	48 hours	343.56mg/l
	Pimephales prmelas (EC50)	96 hours	2820mg/l

12.2 Persistence and Degradability:

Information not available

12.3 Bioaccumulative potential:

This mixture is not considered to bio accumulate

12.4 Mobility in soil:

Information not available

12.5 Results of PBT and vPvB assessment:

Mixture not assessed

12.6 Other adverse effects:

No other adverse effects known

13. Disposal Considerations:

13.1 Waste treatment methods:

Disposal of Used Preparation:

Dispose in accordance with local regulations via specialised waste contractor.

Disposal of Packaging:

An empty container can contain product residue and should not be re-used. Use specialist waste contractor in accordance with local regulation.

14. Transport Information:**Road and Rail/Sea/Air**

Information not required as mixture not regulated for carriage.

UN number:

UN proper shipping name:

Transport hazard class(es):

Packing group:

Environmental hazards:

Special precautions for user:

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

15. Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This mixture is classified and labelled in accordance with Directive 1999/45/EC, Regulation 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EU fertiliser regulations 2003/GB fertiliser regulations 1991.

15.2 Chemical Safety Assessment:

CSA not undertaken for this mixture.

16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving

the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Reason For Update:

MSDS has been re-written to reflect the new format given in Annex I of the REACH regulation 453/2010

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End of Safety Data Sheet