SAFETY DATA SHEET
PROTEC PLUS 28-0-0

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

1.1. Product identifier
Product name          PROTEC PLUS 28-0-0
Product number        LQF001/10, LQF001/200

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses        Fertiliser for use on managed amenity turf

1.3. Details of the supplier of the safety data sheet
Supplier              Headland Amenity Ltd
                      1 Burr Elm Court
                      Main Street
                      Caldecote
                      Cambridge
                      Cambridgeshire
                      CB23 7NU
                      Tel. +44 (0)1223 491090
                      sds.enquiries@headlandamenity.com

Contact person        Wendy Johnson

1.4. Emergency telephone number
Emergency telephone    +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards       Not Classified
Health hazards          Not Classified
Environmental hazards   Not Classified

2.2. Label elements
Hazard statements       NC Not Classified

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Composition comments   The data shown are in accordance with the latest EC Directives. No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

SECTION 4: First aid measures

4.1. Description of first aid measures
PROTEC PLUS 28-0-0

**Inhalation**
Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin contact**
Remove affected person from source of contamination. Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact**
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed**

**Inhalation**
May cause respiratory system irritation.

**Ingestion**
May cause discomfort if swallowed.

**Skin contact**
Prolonged skin contact may cause redness and irritation.

**Eye contact**
May cause temporary eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**
No specific recommendations.

---

**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**
None known.

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

**Hazardous combustion products**
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**5.3. Advice for firefighters**

**Protective actions during firefighting**
No specific firefighting precautions known. 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 for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

---

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

**Environmental precautions**
Avoid the spillage or runoff entering drains, sewers or watercourses.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up**
Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

**6.4. Reference to other sections**
PROTEC PLUS 28-0-0

Reference to other sections Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Provide adequate ventilation.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from frost. Keep away from heat. Keep away from combustible materials. Acids. Avoid contact with oxidising agents.

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

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. Use appropriate skin cream to prevent drying of skin.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Colourless.

Odour threshold No information available.

pH pH (concentrated solution): 9.0 - 11.0
PROTEC PLUS 28-0-0

Flash point  Mixture not classed as flammable
Evaporation rate  No information available.
Evaporation factor  No information available.
Flammability (solid, gas)  Not applicable.
Upper/lower flammability or explosive limits  Not applicable.
Vapour pressure  No information available.
Vapour density  No information available.
Relative density  1.34 - 1.38 kg/l
Partition coefficient  No information available.
Auto-ignition temperature  Not applicable.
Decomposition Temperature  No information available.
Explosive properties  Not considered to be explosive.
Oxidising properties  Does not meet the criteria for classification as oxidising.

9.2. Other information
Other information  No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity  There are no known reactivity hazards associated with this product. Stable under normal conditions.

10.2. Chemical stability
Stability  Stable at normal ambient temperatures. Stable under normal conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions  No potentially hazardous reactions known.

10.4. Conditions to avoid
Conditions to avoid  Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials to avoid  Strong acids. Strong alkalis. Oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products  Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  No information available.
Inhalation  Gas or vapour in high concentrations may irritate the respiratory system.
PROTEC PLUS 28-0-0

Ingestion  
May cause discomfort if swallowed.

Skin contact  
Liquid may irritate skin.

Eye contact  
Vapour or spray in the eyes may cause irritation and smarting.

SECTION 12: Ecological information

Ecotoxicity  
Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability  
No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential  
No information available.

Partition coefficient  
No information available.

12.4. Mobility in soil

Mobility  
No information available.

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 applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods  
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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 warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

14.6. Special precautions for user
PROTEC PLUS 28-0-0

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 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


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other Information

Revision date 19/12/2018
Revision 1

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.