



SAFETY DATA SHEET

16-2-10

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

1.1. Product identifier

Product name 16-2-10

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.
1-3 Freeman Court
Jarman Way
Royston
Hertfordshire
SG8 5HW
+44 (0)1763 255550
sds@headlandamenity.com

Contact person Wendy Johnson

1.4. Emergency telephone number

Emergency telephone +44 (0)1763 255550 (09.00 - 17.00 GMT Monday - Friday)

National emergency telephone number 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

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 contaminated skin thoroughly after handling.
P280 Wear protective gloves and eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.

16-2-10**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**

SINGLE SUPERPHOSPHATE		10-30%
CAS number: 8011-76-5	EC number: 232-379-5	REACH registration number: 01-2119488967-11-XXXX

Classification

Eye Irrit. 2 - H319

PROPYLENE GLYCOL		<1%
CAS number: 57-55-6	EC number: 200-338-0	REACH registration number: 01-2119456809-23-XXXX

Classification

Not Classified

Classification (67/548/EEC or 1999/45/EC)

-

N-METHYL-2-PYRROLIDONE		<1%
CAS number: 872-50-4	EC number: 212-828-1	REACH registration number: 01-2119472430-46-XXXX

Classification

Skin Irrit. 2 - H315
 Eye Irrit. 2 - H319
 Repr. 1B - H360D
 STOT SE 3 - H335

GLUTARAL		<1%
CAS number: 111-30-8	EC number: 203-856-5	REACH registration number: 01-2119455549-26-XXXX

M factor (Acute) = 1

Classification

Acute Tox. 3 - H301
 Acute Tox. 2 - H330
 Skin Corr. 1B - H314
 Eye Dam. 1 - H318
 Resp. Sens. 1 - H334
 Skin Sens. 1 - H317
 STOT SE 2 - H371
 STOT SE 3 - H335
 STOT SE 3 - H335
 STOT SE 1 - H370
 Aquatic Acute 1 - H400
 Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

16-2-10

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if symptoms are severe or persist.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any symptoms develop.
Skin contact	Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Ingestion	There may be soreness and redness of the mouth and throat.
Skin contact	Skin contact may cause redness and irritation.
Eye contact	Irritation and redness, followed by blurred vision. Profuse watering of the eyes. May cause permanent damage.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

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	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

16-2-10

Methods for cleaning up Stop leak if safe to do so. Collect spillage. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

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 Open container with care to avoid generating dust. Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

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. Keep away from combustible materials.

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

Occupational exposure limits

PROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulates

N-METHYL-2-PYRROLIDONE

Long-term exposure limit (8-hour TWA): WEL 10 ppm 40 mg/m³

Short-term exposure limit (15-minute): WEL 20 ppm 80 mg/m³

Sk

GLUTARAL

Long-term exposure limit (8-hour TWA): WEL 0.05 ppm Sen 0.2 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 0.05 ppm Sen 0.2 mg/m³(Sen)

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

SINGLE SUPERPHOSPHATE (CAS: 8011-76-5)

DNEL

Workers - Inhalation; Long term systemic effects: 3.1 mg/m³

Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day

General population - Inhalation; Long term systemic effects: 0.9 mg/m³

General population - Oral; Long term systemic effects: 2.1 mg/kg/day

General population - Dermal; Long term systemic effects: 10.4 mg/kg/day

PNEC

- Fresh water; 1.7 mg/l

- marine water; 0.17 mg/m³

- Intermittent release; 17 mg/l

- STP; 10 mg/l

PROPYLENE GLYCOL (CAS: 57-55-6)

16-2-10

DNEL General population - Inhalation; Long term local effects: 10 mg/m³
 General population - Inhalation; Long term systemic effects: 50 mg/m³
 Workers - Inhalation; Long term local effects: 10 mg/m³
 Workers - Inhalation; Long term systemic effects: 168 mg/m³

PNEC Fresh water; 260 mg/l
 Intermittent release; 183 mg/l
 marine water; 26 mg/l
 Sediment (Freshwater); 572 mg/kg
 Sediment (Marinewater); 57.2 mg/kg
 Soil; 50 mg/kg
 STP; 20000 mg/l

N-METHYL-2-PYRROLIDONE (CAS: 872-50-4)

DNEL General population - Inhalation; Long term local effects: 4.5 mg/m³
 General population - Oral; Long term local effects: 0.85 mg/kg/day
 General population - Dermal; Long term systemic effects: 2.4 mg/kg/day
 General population - Inhalation; Long term systemic effects: 3.6 mg/m³
 Workers - Inhalation; Long term local effects: 40 mg/m³
 Workers - Dermal; Long term systemic effects: 4.8 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 14.4 mg/m³

PNEC Fresh water; 0.25 mg/l
 marine water; 0.025 mg/l
 Sediment (Freshwater); 1.09 mg/kg
 Sediment (Marinewater); 0.109 mg/kg
 Soil; 0.07 mg/kg
 STP; 10 mg/l

8.2. Exposure controls**Protective equipment****Appropriate engineering controls**

Provide adequate ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

Hand protection

Wear protective gloves.

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. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

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**

16-2-10

Appearance	Granules.
Colour	Mixture of light blue granules and brown granules.
Odour	Slight.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
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	No information available.
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	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 recommended transport or storage conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat.

16-2-10

10.5. Incompatible materials

Materials to avoid Strong acids. Strong alkalis. Oxidising agents. Flammable/combustible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Serious eye damage/irritation

Serious eye damage/irritation In-vitro testing conducted on products with Single Superphosphate content <62% in 2015. Result: reduced the classification to Eye Irritant 2 - H319. Test Guideline OECD 438. This result is less severe than the harmonised classification for Super Phosphates of Eye Damage 1 - H318.

Inhalation There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion There may be soreness and redness of the mouth and throat.

Skin contact May cause skin irritation.

Eye contact There may be irritation and redness. Profuse watering of the eyes.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Ecological information on ingredients.

N-METHYL-2-PYRROLIDONE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >500 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >500 mg/l, Scenedesmus subspicatus

GLUTARAL

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

16-2-10

Partition coefficient No information available.

Ecological information on ingredients.**PROPYLENE GLYCOL**

Partition coefficient log Kow: -0.92

N-METHYL-2-PYRROLIDONE

Partition coefficient log Kow: -0.54

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

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

16-2-10**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	This is the first issue.
Revision date	18/03/2022
Revision	1
SDS number	20376
Hazard statements in full	H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H360D May damage the unborn child. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

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.