

**SAFETY DATA SHEET**www.hygeia.ie

According to Regulation (EC) No. 1907/2006
Version 1 Revision Date 13/05/2015
Print Date 13/05/2015

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name: Greenforce Autumn Lawn Feed
Product Number(s): G21027 (15 Kg)

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

Feeds and greens grass, strengthens roots and prepares the lawn for winter.

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway
Tel: 091-794722 Fax: 091-794738 email: services@hygeia.ie

1.4 Emergency telephone number

National Poisons Information Centre (Tel: 01-8379964) (Fax: 01-8368476)

Section 2: Hazards identification**2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]**

Eye Irrit. 2 - H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):



Hazard pictogram:

GHS07:

Signal words:

Warning

Hazard statements:

H319: Causes serious eye irritation

Precautionary statements:

P264: Wash exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face 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+313: If eye irritation persists: Get medical advice/attention
P501: Dispose of contents/container a licensed waste disposal contractor or
collection site except for triple rinsed empty containers which can be disposed of as
non-hazardous waste

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

SSP 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	
Ferrous Sulphate 18%	5-10%
CAS number: 7720-78-7 EC number: 231-753-5 REACH registration number: 01-2119513203-57-XXXX	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC)

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

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Get medical attention if symptoms are severe or persist.

Ingestion

Get medical attention if symptoms are severe or persist.

Skin contact

Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. 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**Inhalation**

Dust in high concentrations may irritate the respiratory system.

Ingestion

No harmful effects expected from quantities likely to be ingested by accident.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

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**Notes for the doctor**

Treat symptomatically.

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

Not applicable.

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

None known.

5.3. Advice for firefighters**Protective actions during firefighting**

No specific firefighting precautions known.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

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

Avoid inhalation of dust and contact with skin and eyes. Use suitable 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**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**Methods for cleaning up**

Take care as floors and other surfaces may become slippery. Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections**Reference to other sections**

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling**Usage precautions**

Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

Advice on general occupational hygiene

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**Storage precautions**

Store in a dry place.

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

Sand (L)

Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1Mg/m³

Ammonium Sulphate

Long-term exposure limit (8-hour TWA): LTEL 10Mg/m³

Ferrous Sulphate 18%

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

SSP Single Superphosphate (CAS: 8011-76-5)

DNEL	Workers - Inhalation; Long term systemic effects: 3.1 mg/m ³ Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day General population - Inhalation; Long term systemic effects: 0.9 mg/m ³ 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/m ³ - Intermittent release; 17 mg/l - STP; 10 mg/l

Potash (CAS: 7447-40-7)

DNEL	Workers - Dermal; Short term systemic effects: 580 mg/kg/day Workers - Dermal; Long term systemic effects: 580 mg/kg/day Workers - Inhalation; Short term systemic effects: 292 mg/m ³ Workers - Inhalation; Long term systemic effects: 292 mg/m ³
PNEC	Industry - Fresh water; 0,047 mg/l - Marine water; 0,047 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

All handling should only take place in well-ventilated areas.

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties**Appearance**

Granules.

Colour

Beige. to Dark brown. or Black.

Odour

Mild.

Odour threshold

Not determined.

pH

Slightly Acidic

Melting point

Not relevant.

Initial boiling point and range

Not relevant.

Flash point

Not relevant.

Evaporation rate

Not relevant.

Flammability (solid, gas)

The product is not flammable.

Vapour pressure

Not relevant.

Vapour density

Not relevant.

Relative density

Not relevant.

Solubility(ies)

Not known.

Partition coefficient

Not known.

Auto-ignition temperature

Not relevant.

Decomposition Temperature

Not relevant.

Viscosity

Not relevant.

Explosive properties

Not relevant.

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

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

10.2. Chemical stability**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 a hazardous situation.

10.5. Incompatible materials**Materials to avoid**

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Acute toxicity - oral****ATE oral (mg/kg)**

4,230.76923077

Acute toxicity - dermal**Notes (dermal LD50)**

No specific test data are available.

Acute toxicity - inhalation**Notes (inhalation LC50)**

No specific test data are available.

Serious eye damage/irritation

Irritation of 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 harmonized 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**STOT - single exposure**

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

Specific target organ toxicity - repeated exposure**STOT - 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.

SECTION 12: Ecological Information

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity**12.2. Persistence and degradability****Persistence and degradability**

The product is slowly degradable.

12.3. Bioaccumulative potential**Partition coefficient**

Not known.

12.4. Mobility in soil**Mobility**

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**General information**

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

Disposal methods

Reuse or recycle products wherever possible. No specific disposal method required.

SECTION 14: Transport information

General

The product is not classified as hazardous to road transport under ADR.

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 MARPOL73/78 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**

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 of 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 13/05/2015**Revision** 1**SDS number** 5002**Hazard statements in full**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The 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 unless specified in the text.