

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

---

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

Product name: Homeland Lawn, Weed, Feed & Moss killer

Product number: G20001(16kg)

**1.2. Relevant identified uses of the mixture and uses advised against:**

Fertilizer

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

Hygeia Chemicals Limited

Carrowmoneash, Oranmore, County Galway

Ireland

Tel: 091-794722

Fax: 091-794738

email: [info@hygeia.ie](mailto:info@hygeia.ie)

**1.4. Emergency telephone number: National Poisons Information Centre (NPI)**

Tel: 353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

---

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical hazards                      Not Classified

Health hazards                        Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

Environmental hazards              Not Classified

**2.2. Label elements**

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

Hazard pictogram

Signal word

Warning



Hazard statements

EUH208 Contains nickel sulfate. May produce an allergic reaction.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements

P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.  
P321 Specific treatment (see medical advice on this label).  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reusing.

### 2.3. Other hazards

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

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

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

## SECTION 3: Composition/information on ingredients

3.2. Mixtures

iron (II) sulfate (1:1) heptahydrate 10-30%

CAS number: 7782-63-0

EC number: 231-753-5

## Classification

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

SSP Single Superphosphate

5-10%

CAS number: 8011-76-5

EC number: 232-379-5

REACH registration number: 01-  
2119488967-11-XXXX

## Classification

Eye Irrit. 2 - H319

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

Xi; R41

Powder TSP

5-10%

CAS number: 65996-95-4

EC number: 266-030-3

REACH registration number: 01-  
2119493057-33-XXXX

## Classification

Eye Irrit. 2 - H319

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

Xi; R41

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

---

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. 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	Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.
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

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

Special protective equipment  
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. Control run-off water by containing and keeping it out of sewers and watercourses. Contain and collect extinguishing water. If risk of water pollution occurs, notify appropriate authorities.

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.

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

## 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. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid release to the environment. Use appropriate containment to avoid environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up**        Take care as floors and other 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

**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**    Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions                      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)

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): LTEL 10Mg/m<sup>3</sup>

Dolomite

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Calmag Magnesium Oxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust as Mg

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> fume and respirable dust as Mg

WEL = Workplace Exposure Limit.

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

DNEL	Workers - Inhalation; Long term systemic effects: 3.1 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day General population - Inhalation; Long term systemic effects: 0.9 mg/m <sup>3</sup> 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/l - 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 <sup>3</sup> Workers - Inhalation; Long term systemic effects: 292 mg/m <sup>3</sup>
------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

PNEC	Industry - Fresh water; 0,047 mg/l
------	------------------------------------

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

- marine water; 0,047 mg/l

Urea (CAS: 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

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

Wear appropriate clothing to prevent repeated or prolonged skin contact  
 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.**



---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

<b>Colour</b>	<b>Beige. to Dark brown. or Black.</b>
<b>Odour</b>	<b>Mild.</b>
<b>Odour threshold</b>	<b>Not determined.</b>
<b>pH</b>	<b>Slightly Acidic</b>
<b>Melting point</b>	<b>Not relevant.</b>
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.
<b><u>9.2. Other information</u></b>	
Other information	No information required.

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

## SECTION 10: Stability and reactivity

10.1. Reactivity

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

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid Water, moisture.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

## SECTION 11: Toxicological information

11.1. Information on toxicological effectsAcute toxicity - oral

ATE oral (mg/kg) 2,427.18

Acute toxicity - dermal

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

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

Skin corrosion/irritation

Skin corrosion/irritation May cause skin irritation. Contains Nickel Sulphate. May produce an allergic reaction.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation. 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

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met. Contains a small amount of a skin sensitising substance. May cause irritation.

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

Germ cell mutagenicity

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

Carcinogenicity

Carcinogenicity                    No specific test data are available.

Reproductive toxicity

Reproductive toxicity - fertility   Based on available data the classification criteria are not met.

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

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

Skin contact

May cause an allergic skin reaction. May cause irritation.

Eye contact

Causes eye irritation.

SECTION 12: Ecological information

Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

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

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB. assessment

12.6. Other adverse effects

Other adverse effects                Not relevant.

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

## 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 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. 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 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

---

According to Regulation (EC) No 1907/2006

Version1 / Revision date: 08/12/2020

Date of issue (version 1): 08/12/2020

## 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

### **Abbreviations and acronyms used in the safety data sheet**

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 Harmonized 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 to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative 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 Bioaccumulative.  
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.