

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

SB pHylloGreen (NPK 12-2-7 S Mg Mn B Zn Co Mo + nitrate) **Product Name**

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

Identified Use(s) Fertiliser Uses Advised Against Not known. 1.3 Details of the supplier of the safety data sheet

Supplier

Company Identification Soil Biology Ltd

Unit 30 Branbridges Industrial Estate Address of Supplier

East Peckham United Kingdom TN12 5HF

Postal code Telephone: 01892 883759 Fax Not known. E-mail info@soilbiology.uk

Office hours Office hours: Monday - Friday 08:30 - 17:30

1.4 Emergency telephone number

Emergency Phone No. 01892 883759 (08:30-17:30)

Call 111 Contact

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and Not classified as dangerous for supply/use.

UK SI 2020/1567

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name 7124 NPK 12-2-7 S Mg Mn B Zn Co Mo + nitrate

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) None.

100 percent of the mixture consists of ingredient(s) of unknown toxicity

Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.

P103: Read label before use.

P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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. P340: Remove person to fresh air and keep comfortable for breathing.

P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
magnesium sulphate	7487-88-9	231-298-2	<20%	Not classified.	None
F Mix Bio			<2%	Not classified.	None
zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)	7446-19-7	231-793-3	<2%	Not classified.	None
manganese sulphate	7785-87-7	232-089-9	<2%	Not classified.	None
boric acid	10043-35-3	233-139-2	<2%	Not classified.	None
copper sulphate	7758-98-7	231-847-6	<2%	Not classified.	None
disodium molybdate	7631-95-0	231-551-7	<2%	Not classified.	None

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing.

Skin Contact Wash skin with water.

Eye Contact Flush eyes with water for at least 15 minutes. Ingestion Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Not known.



7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known.

7.3 Specific end use(s)

Fertiliser

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits									
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)		STEL (mg/m³)	Note			
Molybdenum compounds (as Mo) soluble compounds	7631-95-0		5		10				
Copper and compounds: dust and mists (as Cu)	7758-98-7		1		2				
Manganese and its inorganic compounds (as Mn) - Inhalable fraction	7785-87-7		0.2						
Manganese and its inorganic compounds (as Mn) - Respirable fraction	7785-87-7		0.05						

Region United Kingdom

UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection Wear eye protection with side protection (EN166).

Skin protection Not normally required.



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Liquid. Colour: Not known.

Odour Not known. Odour threshold Not known. Not known. Melting point/freezing point Not known. Initial boiling point and boiling range Not known. Flash Point Not known. Evaporation rate Not known. Flammability (solid, gas) Not known. Upper/lower flammability or explosive Not known.

limits



Vapour pressure Not known.
Vapour density Not known.
Density (g/ml) Not known.
Relative density Not known.

Solubility(ies) Solubility (Water): Not known. Solubility (Other): Not known.

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition Temperature (°C)
Viscosity
Explosive properties
Oxidising properties
Not known.
Not known.
Not known.
Not known.
Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion
Acute toxicity - Skin Contact
Acute toxicity - Inhalation
Skin corrosion/irritation
Skin sensitization data
Acute toxicity - Inhalation
Skin sensitization data
Acute toxicity - Low acute toxicity
Low acute toxicity
Non-irritant
Non-irritant
Not classified
Not classified

Germ cell mutagenicity There is no evidence of mutagenic potential.

Carcinogenicity No evidence of carcinogenicity.

Reproductive toxicity
Lactation
STOT - single exposure
STOT - repeated exposure
Aspiration hazard
Not classified
Not classified
Not classified
Not classified

11.2 Other information

100 percent of the mixture consists of ingredient(s) of unknown toxicity

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates. Toxicity - Fish Low toxicity to fish.

Toxicity - Fish Low toxicity to fish.

Toxicity - Algae Low toxicity to algae.

Toxicity - Sediment Compartment Not classified.

Toxicity - Terrestrial Compartment Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects



Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.

13.2 Additional Information

No special precautions are required for this product.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

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

Not known

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United Kingdom Regulations - Authorisations and/or Restrictions On Use UK REACH Candidate List of Substances boric acid (10043-35-3)

of Very High Concern for Authorisation

UK RÉACH Authorisation List (Annex

XIV) list of substances subject to

authorisation

UK REACH Restrictions List (Annex XVII) Toxic to reproduction: category 1B (10043-35-3)

Not listed

Restrictions on the manufacture, placing on the market and use of certain

dangerous substances, mixtures and

articles

The Persistent Organic Pollutants

Regulations 2007 (SI 2007/3106) as

amended Not listed

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations

2019 (SI 2019/583)

The Prior Informed Consent (PIC)

Not listed

Not listed

Regulations concerning the export and

import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out. United Kingdom

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s) None.



Hazard Statement(s) None.

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P103: Read label before use.

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P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P340: Remove person to fresh air and keep comfortable for breathing.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms ATE : Acute Toxicity Estimate

CAS: Chemical Abstracts Service DNEL: Derived No Effect Level EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL: Short term exposure limit STOT: Specific Target Organ Toxicity

vPvB: very Persistent and very Bioaccumulative

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

data used to compile the SDS

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