

**PHOSTROGEN ALL PURPOSE PLANT FOOD
5840073**

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 Creation Date: 20/07/2017
 Revision Date: 13/01/2021
 Version: 04 / UK & Ireland

**SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING**
1.1 Product identifier

Product Name PHOSTROGEN ALL PURPOSE PLANT FOOD (400g, 800g and 2kg)

Product codes 84474819 / 84413550 / 86601049 / 86601051 / 86601053 / 86601054

Market Authorization Number n/a

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

Use Fertiliser NPK (MgO-SO₃) 16-10-24 (2,5 – 7,5)
REACH PC 12
 SP : Water soluble powder

1.3 Details of the supplier of the safety data sheet

Supplier SBM Life Science Ltd
 Hyperion House
 Fordham Road
 Newmarket
 Suffolk
 CB8 7XN
 GREAT BRITAIN

Phone number +44 (0)1223 677 611

Responsible Department Email: sds@sbm-company.com

1.4 Emergency telephone number

	United Kingdom	Ireland
National Poisons Information Service (NPIS) :	director.birmingham.unit@npis.org www.npis.org/	info@beaumont.ie www.poisons.ie
Emergency telephone number	+44 (0)800 321 3079 (24 Hr)	+353 (1) 809 2166 (8.00am to 10.00 pm 7 days a week)

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Physical Hazards:

No classification for physical hazards.

Health and Safety Hazards:

No classification for health and safety hazards.

Environmental Hazards:

No classification for environmental hazards.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazardous components which must be listed on the label: None

Pictograms of hazards : None

Signal word : None

Hazard statements : None

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust.
P280	Wear protective gloves.

Additional mentions: None

Additional labelling: None

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2.3 Other hazards

|| Avoid formation of dust : can form an explosive mixture in combination with air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not concerned.

3.2 Mixtures

Chemical nature

SP : Water soluble powder

Hazardous components

Hazard statements in accordance with Regulation (EC) No. 1272/2008

Ingredients	CAS Number/ EC Number/ Index Number	REACH Number/ recording	Classification Regulation 1272/2008/EC	Environmental Hazards	Conc % (w/w)
Potassium chloride	7447-40-7 231-211-8 /	/	/	/	35,0 < x < 45,0
Magnesium sulfate anhydrous	7487-88-9 231-298-2 /	/	/	/	5,0 < x < 10,0
Calcium sulfate	7778-18-9 231-900-3 /	01-2119444918- 26-	/	/	2,5 < x < 5,0

Further information

For full text of H-statements and R sentences : see SECTION 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Have container, label or safety data sheet of the product when you call an emergency number, a poison center, a doctor / physician or when you need to consult for a treatment.
Inhalation	In case of illness, move the victim to fresh air and keep her warm and at rest. If symptoms persist, get medical attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids during at least 15 minutes. Remove contact lenses if it is possible and continue to rinse. Get medical attention if irritation develops and persists.
Skin contact	Remove contaminated clothing and footwear. Flush skin with water. Wash with water and soap. In case of irritation or redness, get medical attention. Wash clothes before reuse.
Ingestion	Immediately rinse mouth. DO NOT induce vomiting unless directed to do so by a physician. DO NOT give something to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Dust in high concentrations may irritate the respiratory system. Solid particles trapped behind the eyelid may cause abrasive damage. Local : slight irritation Systemic : Diarrhoea, Vomiting, Nausea
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4.3 Indication of any immediate medical attention and special treatment needed

Hazards	Irritation of the skin, the eyes and the respiratory system (particles).
Treatments	No specific antidote known. Symptomatic treatment.

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Systemic treatment: Initial treatment: symptomatic. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Carbon dioxide (CO ₂), dry chemical, water spray, alcohol-resistant foam.
Unsuitable	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	The breakdown products can be dangerous for the health. Do not breathe fumes.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Wear protection clothing for all the body, complete equipment. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
Further information	Stay upstream of the flames. Fight fire from protected location or maximum possible distance. Cool the containers of the product with water. Do not let the extinguishing waters going into the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Ensure adequate ventilation. Avoid inhalation of dust and contacts with skin and eyes.

Stop the source of the spill immediately if safe to do so. Avoid and reduce dust formation as much as possible, if appropriate by moistening.

Wear protective clothes.

For emergency responders

Ensure adequate ventilation. Wear an adequate individual protective equipment.

6.2 Environmental precautions**Environmental precautions**

Contain the spill to prevent any further contamination of surface, soil or water.

6.3 Methods and materials for containment and cleaning up**Methods for containment**

Contain the spread and if possible, recover material.

Methods for cleaning up

Collect spillage with a shovel and broom, or similar and reuse, if possible.

Clean area with much water.

Contaminated wash water can be reused as fertiliser.

Spills in water should be contained as much as possible by isolation of the contaminated water. The contaminated water must be collected and removed for treatment or disposal.

Additional advice

No additional advice.

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6.4 Reference to other sections

Reference to other sections See measures for protection into the sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Avoid inhalation of dust and contact with skin and eyes.
Wear appropriate clothing.

Advice on protection against fire and explosion No information available.

Hygiene measures 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.
Contaminated clothing should be changed before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Keep out of the reach of children.
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight and from moisture. Started products must be gingerly closed and stored in a vertical position.

Advice on common storage Keep away from food, drink and animal feedingstuffs.

Suitable materials Store in the original container.

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7.3 Specific end use(s)

Specific end use(s) Fertiliser. Refer to the label and / or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

For the mixture, control parameters are not known and no values for exposure limits have been determined.

No specific control parameters for the components mentioned in Section 3.2.

Further information:

No other data available.

8.2 Exposure controls

Appropriate engineering controls

Appropriate engineering controls Eyes showers and safety showers must be placed close to the work area.

Individual protective measures, such as personal protective equipment

All the measures for collective protection should be set and use before to consider the use of personal protective equipment. In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection Avoid breath dust.

No particular respiratory protection recommended.

Hand protection After manipulation of the product, wash carefully hands.

In case of prolonged or repeated uses, wear gloves in conformity with the norm EN 374.

Dispose of gloves when contaminated inside, when perforated or when contamination on the outside cannot be remove.

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Eye protection	Avoid contact with eyes. In case of prolonged or repeated uses, it is recommended to wear safety glasses, in conformity with the norm EN 166.
Skin and body protection	Wear appropriate chemical resistant clothing to prevent repeated or prolonged skin contact.
Thermal protection	No information available.

Environmental exposure controls

Environmental exposure controls	No particular environmental exposure controls required.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid crystalline
Colour	White
Odour	Not available
Odour threshold	Not determined
pH	4,4 – 50 g/l -
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	Not relevant
Flash Point	Not relevant
Evaporation rate	Not relevant

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Flammability (solid, gas)	Not known
Upper / lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not known
Solubility in water	soluble
Partition coefficient: n-octanol / water	Not known
Auto-ignition temperature	Not relevant
Decomposition temperature	Not relevant
Dynamic viscosity	Not concerned
Explosive properties	Avoid formation of dust
Oxidising properties	Does not meet the criteria for classification as oxidizing.

9.2 Other information

Further data not available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity****Thermal decomposition** No date available.

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10.2 Chemical stability

Chemical stability The product is stable during recommended handling and storage at ambient temperatures.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

10.4 Conditions to avoid

Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Incompatible materials Bases.

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity No information available. Based on available data, the classification criteria are not met.

Acute inhalation toxicity No information available. Based on available data, the classification criteria are not met.

Acute dermal toxicity No information available. Based on available data, the classification criteria are not met.

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Skin irritation / corrosion	No skin irritation – Rabbit -
Serious eye damage / irritation	No eye irritation – Rabbit-
Respiratory sensitisation	No information available. Based on available data, the classification criteria are not met.
Skin sensitisation	Non sensitizing – Guinea Pig -

Carcinogenicity :

No information available. Based on available data, the classification criteria are not met.

Germ cell mutagenicity :

No information available. Based on available data, the classification criteria are not met.

Reproductive toxicity and fertility :

No information available. Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure / repeated exposure) :

Single Exposure : No information available. Based on available data, the classification criteria are not met.

Repeated Exposure : No information available. Based on available data, the classification criteria are not met.

Aspiration hazard:

The mixture does not present an aspiration hazard.

Other information

No other information available.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available for the mixture.

Toxicity to fish	LC50 > 100 mg/l <i>Fish</i> 96 hours
Toxicity to aquatic invertebrates	EC50 > 100 mg/l <i>Daphnia magna</i> 48 hours
Toxicity to aquatic plants	EC50 > 100 mg/l <i>Algae</i> 96 hours
Toxicity to aquatic plants	No information available.
Toxicity for bees	No information available.
Toxicity for earth-worms	No information available.
Toxicity for birds	No information available.

12.2 Persistence and degradability

Biodegradability	No information available.
Koc	No information available.

12.3 Bioaccumulative potential

Bioaccumulation	Not known.
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12.4 Mobility in soil

Mobility in soil The mixture is soluble in water.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

Additional ecological information No information available. See the label of the product for additional instructions concerning the precautions measures for the environment that have to be taken during the manipulation of the product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Generalities Handle non-cleaned product like it is the product itself.

Avoid subsoil penetration.

Do not mix the product or container with other waste.

Product The unused product can be diluted and recycled where possible, as a low-grade fertiliser.

Contaminated packaging Do not reuse empty packaging.

Rinse contaminated packaging with water. Dilute washings should be recycled where possible, possibly as a low-grade fertiliser.

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SECTION 14: TRANSPORT INFORMATION

No classification for transport required.

ADR/RID/ADN

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm. Hazardous Mark	Not applicable.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Marin pollutant	Not applicable.

IATA

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm. Hazardous Mark	Not applicable.

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14.6 Special precautions for user

No special precautions for user required.

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

Not concerned.

SECTION 15: REGULATORY INFORMATION

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

Further information

- Conformity with REACH annexes** At the present time, the substances mentioned in section 3.2 of this SDS aren't quoted in :
- Annex XIV of REACH Regulation EC 1907/2006 about list of substances subject to authorization
 - Annex XVII of REACH Regulation EC 1907/2006 about restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.
- Conformity with CLP** 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).

Specific provisions:

The mixture is in accordance with the EC Regulation 2003/2003 relating to fertilisers.

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

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SECTION 16: OTHER INFORMATION**Text of the hazard statements (H sentences) mentioned in Sections 2 and 3:****Text of hazards classes and categories mentioned in Sections 2 and 3:****Abbreviations and acronyms**

ADI	Acceptable Daily Intake
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ARfD	Acute Reference Dose
A.S	Active Substance
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS-Nr.	Chemical Abstracts Service number
CLP	Classification, Labelling, Packaging regulation
Conc.	Concentration
DMEL	Derived Minimal Effect Levels
DNEL	Derived No Effect Level
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
Koc	Absorption Coefficient
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
NOEC/NOEL	No observed effect concentration/level
N.O.S.	Not otherwise specified
OECD	Organization for Economic Co-operation and Development
OSHA	Occupational Safety and Health Administration

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PBT	Persistent, Bioaccumulative and Toxic substances
PNEC	Predicted No Effect Concentration
Pow	Partition coefficient: n-octanol / water
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substance of Very High Concern
TWA	Time weighted average
vPvB	Very Persistent and Very Bioaccumulative
UN	United Nations
WHO	World health organisation

Methods used for classification:

The classification of the product "Phostrogen all purpose plant food" was calculated according to the methods described in EC 1272/2008 regulation, with regards to the dangers for the environment and for health.

Further information: None

Purpose of the reviewing:

This is the version 02 of the document. It corresponds to an amendment.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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Additional information:

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge and the legislative and regulatory texts available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The information given in this data sheet have to be consider as a description of the requirements for the product and not consider as a guarantee or a quality specification concerning its properties. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.