

TOPROSE

5858886

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Creation Date: 31.07.2017

Revision Date:

Version: 1 / Great Britain

**SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING****1.1 Product identifier****Product Name** TOPROSE ROSE & SHRUB FEED 1kg / 3kg / 4kg**Product code** 5878143 / 86600011 / 5878135**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** Fertilizer
Fertilizer (REACH PC12)**1.3 Details of the supplier of the safety data sheet****Supplier** SBM Life Science Ltd
Unit 2,
Techno Park,
Newmarket Road,
Cambridge,
CB5 8PB
Great Britain**Phone number** +44 (0)1223 677611**Responsible Department** Email: sds@sbm-company.com**1.4 Emergency telephone number****Emergency telephone
Number SBM** +1 813-676-1669**UK Emergency telephone
Number** 0800 3213079

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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:

Serious eye damage / eye irritation – Category 2
H319 Causes serious eye irritation

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.

Under regulatory labelling.

Hazardous components which must be listed on the label:

No hazardous components have to be listed on the label.

Pictograms of hazards:



Signal word: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

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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.

P337 + P313 If eye irritation persists: get medical advice / attention.

Additional mentions:

No additional mentions.

Additional labelling:

No additional labelling.

2.3 Other hazards

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not concerned.

3.2 Mixtures**Hazardous components**

Hazard statements in accordance with Regulation (EC) No. 1907/2006

Ingredients	CAS Number / EC Number / Index Number	REACH Number / recording	Classification	Environmental Hazards	Conc % (w/w)
			Regulation 1272/2008/EC		
SSP Single Superphosphate	8011-76-5 / 232-379-5 / No information available	01-2119488967- 11-xxxx	Eye Irrit. 2, H319	No information available	30-60 %
Ferrous sulphate 18 %	7720-78-7 / 231-753-5 / No information available	01-2119513203- 57-xxxx	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	No information available	1-5 %

Further information

The full text for all hazards statements are displayed in section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	If some symptoms appear and persist, see a doctor. If medical advice is needed, have product container or label at hand.
Inhalation	Get medical attention if symptoms are severe or persist.
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.
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.
Ingestion	Get medical attention if symptoms are severe or persist.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Dust in high concentrations may irritate the respiratory system. Prolonged or repeated exposure may cause severe irritation. May cause severe eye irritation. Skin irritation should not occur when used as recommended. No harmful effects expected after ingestion from quantities likely to be ingested by accident.
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4.3 Indication of any immediate medical attention and special treatment needed

Hazards	No information available.
Treatments	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

The product is not flammable.

Suitable	Use fire-extinguishing media suitable for the surrounding fire.
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Unsuitable Not applicable.

5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture None known.

5.3 Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials. No specific protective actions during firefighting known.

Further information No further information.

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

For non-emergency personnel 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.

For emergency responders Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles / face shield, respirator, boots, clothing or apron, as appropriate.

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.

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6.3 Methods and materials for containment and cleaning up

Methods for containment	Contain the spread.
Methods for cleaning up	Take care as floors and other surfaces may become slippery. Collect and dispose of spillage as indicated in Section 13.
Additional advice	No additional advice.

6.4 Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	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 protection against fire and explosion	No information available.
Hygiene measures	Wash hand 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

Requirements for storage areas and containers	Store in a dry place.
Advice on common storage	Keep away from food, drinks including food for animals.
Suitable materials	No information available.

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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**

Types of exposures (occupational exposure, biological exposure)	Components	CAS Number	Exposure limit values	Sources of the exposures	Update	Base
Occupational exposure	Ammonium Sulphate	No information available	Long-term exposure limit (8-hour TWA): LTEL 1 mg/m ³	No information available		No information available
Occupational exposure	Dolomite	No information available	Long-term exposure limit (8-hour TWA): WEL 10 mg/m ³ for inhalable dust Long-term exposure limit (8-hour TWA): WEL 4 mg/m ³ for respirable dust	No information available		No information available
Occupational exposure	Ferrous sulphate 18%	No information available	Long-term exposure limit (8-hour TWA): WEL 1 mg/m ³ Short-term exposure limit (15-minutes): WEL 2 mg/m ³	No information available		No information available
Occupational exposure	Sand (L)	No information available	Long-term exposure limit (8-hour TWA): silica dust (respirable) WEL 0.1mg/m ³			

WEL: Workplace Exposure Limit

Further information:**Data for SSP Single Superphosphate (CAS: 8011-76-5):**

DNEL (Workers)

DNEL workers (Inhalation – Long term systemic effects)

3.1 mg/m³

DNEL workers (Dermal – Long term systemic effects)

17.4 mg/Kg/day

DNEL (General Population)

DNEL general population (Inhalation – Long term systemic effects)

0.9 mg/m³

DNEL general population (Oral – Long term systemic effects)

2.1 mg/Kg/day

DNEL general population (Dermal – Long term systemic effects)

10.4 mg/Kg/day

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PNEC (Water)	
PNEC water (Fresh water)	1.7 mg/L
PNEC water (Marine water)	0.17 mg/m ³
PNEC water (Intermittent release)	17 mg/L

PNEC (STP)	
PNEC (Water Treatment Plan)	10 mg/L

Data for Potash (CAS: 7447-40-7):

DNEL (Workers)	
DNEL workers (Dermal – Short term systemic effects)	580 mg/Kg/day
DNEL workers (Dermal – Long term systemic effects)	580 mg/Kg/day
DNEL workers (Inhalation – Short term systemic effects)	292 mg/m ³
DNEL workers (Inhalation – Long term systemic effects)	292 mg/m ³

PNEC (Water)	
PNEC water (Industry – fresh water)	0.047 mg/L
PNEC water (marine water)	0.047 mg/L

8.2 Exposure controls**Appropriate engineering controls**

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

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	No specific recommendations.
Hand protection	Wear protective gloves.
Eye protection	Wear eye protection.
Skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Thermal protection	No information available.

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Environmental exposure controls

Environmental exposure controls	No information available.
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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	No information available.
pH	Slightly acidic.
Melting point / freezing point	No information available.
Initial boiling point and boiling range	No information available.
Flash Point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	The product is not flammable.
Upper / lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Solubility in water	No information available.

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Partition coefficient: n-octanol / water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Dynamic viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidizing.

9.2 Other information

Other information	No other information.
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SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Thermal decomposition	No test data specifically related to reactivity available for this product or its ingredients.
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10.2 Chemical stability

Chemical stability	Stable when stored in a dry place.
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10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4 Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5 Incompatible materials**Incompatible materials** None known.**10.6 Hazardous decomposition products****Hazardous decomposition products** None known.**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute oral toxicity** ATE oral: 15,485.4368932 mg/Kg**Acute inhalation toxicity** No specific test data are available.**Acute dermal toxicity** No specific test data are available.**Skin irritation / corrosion** 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** No specific test data are available.**Carcinogenicity:**

No specific test data are available.

Germ cell mutagenicity:

This substance has no evidence of mutagenic properties.

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Reproductive toxicity and fertility:

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity:

Single Exposure:

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

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.

Other information

Eye contact: the product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	This product is not expected to be toxic to aquatic organisms.
Toxicity to aquatic invertebrates	This product is not expected to be toxic to aquatic organisms.
Toxicity to aquatic plants	This product is not expected to be toxic to aquatic organisms.
Toxicity for bees	No information available.
Toxicity for earth-worms	No information available.
Toxicity for birds	No information available.

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12.2 Persistence and degradability

Biodegradability This product is slowly degradable.

Koc No information available.

12.3 Bioaccumulative potential

Bioaccumulation No information available.

12.4 Mobility in soil

Mobility in soil No information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

Additional ecological information No additional ecological information.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

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

Contaminated packaging Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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SECTION 14: TRANSPORT INFORMATION

This product is not covered by international regulations on the transport of dangerous goods.

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.
Hazard no.	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.

14.6 Special precautions for user

No special precautions for user.

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

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Further information**

Conformity with REACH 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).

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:

No specific provisions.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**Text of the precautionary statements (P sentences) mentioned in Section 2:**

P264	Wash contaminated 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 + P313	If eye irritation persists: get medical advice / attention.

Text of the hazard statements (H sentences) mentioned in Sections 2 and 3:

H302	Harmful if swallowed.
H315	Causes skin irritation.

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H319 Causes serious eye irritation.

Text of hazards classes and categories mentioned in Sections 2 and 3:

Eye Irrit. 2	Serious eye damage / eye irritation – Category 2
Acute Tox. 4	Acute toxicity – Category 4
Skin Irrit. 2	Skin corrosion / irritation – Category 2

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
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

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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 "Toprose" 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:

Note SBM Life Science: This SDS was elaborated according to the SDS of the producer of the product.

Purpose of the reviewing:

Initial version of the Safety Data Sheet.

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

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.