



SAFETY DATA SHEET

Rigby Taylor Microlite 6-0-24+2Fe+Zeo 20kg

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|---------------------------------|---|
| Product name | Rigby Taylor Microlite 6-0-24+2Fe+Zeo 20kg |
| Product number | I2713 |
| REACH registration notes | This Mixture is exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH) All raw materials used in the mixture are REACH registered where necessary. |

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

| | |
|------------------------|------------|
| Identified uses | Fertiliser |
|------------------------|------------|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------------|---|
| Supplier | Rigby Taylor Ltd Suite 16 Rivington House Horwich Loco Industrial Estate Horwich Bolton BL6 5UE +44 (0) 800 424919 +44 (0) 1204 677715 info@rigbytaylor.com |
|-----------------|---|

1.4. Emergency telephone number

| | |
|----------------------------|---|
| Emergency telephone | +44 (0) 1204 677777 8am - 5pm Mon - Fri |
|----------------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|------------------------------|---------------------|
| Physical hazards | Not Classified |
| Health hazards | Eye Irrit. 2 - H319 |
| Environmental hazards | Not Classified |

2.2. Label elements

Pictogram



| | |
|--------------------|---------|
| Signal word | Warning |
|--------------------|---------|

| | |
|--------------------------|--|
| Hazard statements | H319 Causes serious eye irritation. EUH208 Contains nickel sulfate. May produce an allergic reaction. |
|--------------------------|--|

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| | |
|---------------------------------|---|
| Precautionary statements | 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. |

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 | | 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 | |
| iron (II) sulfate | | 1-5% |
| CAS number: 7720-78-7 | EC number: 231-753-5 | |
| Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 | | |
| nickel sulfate | | <1% |
| CAS number: 7786-81-4 | EC number: 232-104-9 | |
| M factor (Acute) = 1 | M factor (Chronic) = 1 | |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1A - H350i Repr. 1B - H360D STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | | |

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. |

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| | |
|---------------------|---|
| 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 | May cause an allergic skin reaction. Prolonged contact may cause redness, irritation and dry skin. |
| 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 | Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. |
| Special protective equipment for firefighters | 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. |

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. 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. |
|--------------------------------|---|

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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. |

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)

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|----------------------------|---|
| 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/m³

Dolomite

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Activator R Dry Mix

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ total inhalable dust

WEL = Workplace Exposure Limit

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 |
|-------------|--|

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/l - Intermittent release; 17 mg/l - STP; 10 mg/l |
|-------------|---|

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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 ³ |
| | Consumer - Inhalation; Short term systemic effects: 125 mg/m ³ |
| | Industry/Professional - Inhalation; Short term local effects: 292 mg/m ³ |
| 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 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. |

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| | |
|----------------------------------|---|
| 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

| | |
|-------------------|--|
| 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 | None known. |
|---------------------------|-------------|

10.6. Hazardous decomposition products

| | |
|---|-------------|
| Hazardous decomposition products | None known. |
|---|-------------|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

| | |
|-------------------------|-----------|
| ATE oral (mg/kg) | 14,858.84 |
|-------------------------|-----------|

Acute toxicity - dermal

| | |
|---------------------------------------|--------------------------------------|
| Notes (dermal LD₅₀) | No specific test data are available. |
|---------------------------------------|--------------------------------------|

Acute toxicity - inhalation

| | |
|---|--------------------------------------|
| Notes (inhalation LC₅₀) | No specific test data are available. |
|---|--------------------------------------|

Skin corrosion/irritation

| | |
|----------------------------------|--|
| Skin corrosion/irritation | Based on available data the classification criteria are not met. |
|----------------------------------|--|

Serious eye damage/irritation

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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

Respiratory sensitisation Based on available data the classification criteria are not met.

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.

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 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

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

Skin contact

May cause an allergic skin reaction. The product contains a small amount of sensitising substance.

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

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

12.6. Other adverse effects

Other adverse effects Not relevant.

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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. No specific disposal method required. 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

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

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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.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: 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.
 EC₅₀: 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.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

08/05/2019

Revision

3

Supersedes date

13/06/2016

SDS number

5298

Risk phrases in full

R20/22 Harmful by inhalation and if swallowed.
 R22 Harmful if swallowed.
 R36/38 Irritating to eyes and skin.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R42/43 May cause sensitisation by inhalation and skin contact.
 R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
 R49 May cause cancer by inhalation.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R61 May cause harm to the unborn child.
 R68 Possible risk of irreversible effects.

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Hazard statements in full

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H350i May cause cancer by inhalation.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH208 Contains nickel sulfate. May produce an allergic reaction.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.