



## SAFETY DATA SHEET

### Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

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

##### 1.1. Product identifier

<b>Product name</b>	Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg
<b>Product number</b>	I3304
<b>REACH registration notes</b>	Exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH)

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

<b>Identified uses</b>	Fertiliser
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##### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	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
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##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	+44 (0) 1204 677777 8am - 5pm Mon - Fri
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Eye Irrit. 2 - H319
<b>Environmental hazards</b>	Not Classified

##### 2.2. Label elements

###### Pictogram



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H319 Causes serious eye irritation.
<b>Precautionary statements</b>	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.

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

### 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

<b>SSP Single Superphosphate</b>			<b>10-30%</b>
CAS number: 8011-76-5	EC number: 232-379-5	REACH registration number: 01-2119488967-11-XXXX	

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	Xi; R41

<b>Ferrous Sulphate Mono 25kg</b>			<b>5-10%</b>
CAS number: 17375-41-6	EC number: 231-753-5	REACH registration number: 01-2119513203-57-XXXX	

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn; R22. Xi; R36/38
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	

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

<b>Inhalation</b>	Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	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

<b>Inhalation</b>	Dust in high concentrations may irritate the respiratory system.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Not applicable.

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

### 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.

### 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)

**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

**Methylene Urea (Short)**

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

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

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

### Ammonium Sulphate

Long-term exposure limit (8-hour TWA): LTEL 10Mg/m<sup>3</sup>

### 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

### Kali Vinasse Powder

**DNEL** Workers - Dermal; Long term systemic effects: 30 mg/kg/day  
Workers - Inhalation; Long term systemic effects: 106 mg/m<sup>3</sup>

**PNEC** - Fresh water; 0.46 mg/l  
- Marine water; 0.046 mg/l  
- Intermittent release; 0.56 mg/l  
- STP; 1 mg/l

### 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/m<sup>3</sup>  
- Intermittent release; 17 mg/l  
- STP; 10 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

### Potash (CAS: 7447-40-7)

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

<b>DNEL</b>	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>
<b>PNEC</b>	Industry - Fresh water; 0,047 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

<b>Appearance</b>	Granules.
<b>Colour</b>	Beige. to Dark brown. or Black.
<b>Odour</b>	Mild.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Slightly Acidic
<b>Melting point</b>	Not relevant.
<b>Initial boiling point and range</b>	Not relevant.
<b>Flash point</b>	Not relevant.
<b>Evaporation rate</b>	Not relevant.
<b>Flammability (solid, gas)</b>	The product is not flammable.
<b>Vapour pressure</b>	Not relevant.
<b>Vapour density</b>	Not relevant.
<b>Relative density</b>	Not relevant.
<b>Solubility(ies)</b>	Not known.
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

<b>Viscosity</b>	Not relevant.
<b>Explosive properties</b>	Not relevant.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	No information required.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	No test data specifically related to reactivity available for this product or its ingredients.
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### 10.2. Chemical stability

<b>Stability</b>	Stable when stored in a dry place.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	None known.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	None known.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	30,303.03
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	No specific test data are available.
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#### Acute toxicity - inhalation

<b>Notes (inhalation LC<sub>50</sub>)</b>	No specific test data are available.
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#### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
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#### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	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.
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#### Respiratory sensitisation

<b>Respiratory sensitisation</b>	No specific test data are available.
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#### Skin sensitisation

<b>Skin sensitisation</b>	Not determined.
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#### Germ cell mutagenicity

## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

<b>Genotoxicity - in vitro</b>	This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	No specific test data are available.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Does not contain any substances known to be toxic to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	The product is not expected to be toxic to aquatic organisms.
<b><u>12.1. Toxicity</u></b>	
<b><u>12.2. Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	The product is slowly degradable.
<b><u>12.3. Bioaccumulative potential</u></b>	
<b>Partition coefficient</b>	Not known.
<b><u>12.4. Mobility in soil</u></b>	
<b>Mobility</b>	No data available.
<b><u>12.5. Results of PBT and vPvB assessment</u></b>	
<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
<b><u>12.6. Other adverse effects</u></b>	
<b>Other adverse effects</b>	Not relevant.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	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

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

### 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 MARPOL73/78 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



## Rigby Taylor Apex 15-3-9+4CaO+MgO+6S+5%HA 20Kg

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>GHS: Globally Harmonized System.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>SVHC: Substances of Very High Concern.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>cATpE: Converted Acute Toxicity Point Estimate.</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>LOEC: Lowest Observed Effect Concentration.</p> <p>DMEL: Derived Minimal Effect Level.</p>
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	23/03/2017
<b>Revision</b>	1
<b>Supersedes date</b>	13/05/2015
<b>SDS number</b>	5645
<b>Risk phrases in full</b>	<p>R22 Harmful if swallowed.</p> <p>R36/38 Irritating to eyes and skin.</p> <p>R41 Risk of serious damage to eyes.</p>
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p>

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.