

# RIGBY TAYLOR LTD

## ALIZE

### Section 1. Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product Identifier

**Product information**

**Product name:** ALIZE  
**Product Code :** 0212505/025  
**Marketing Company** Rigby Taylor Ltd  
1-3 Freeman Court  
Jarman Way  
Royston  
SG8 5HW  
**Telephone** : 0800 424919  
**Email** : info@rigbytaylor.com  
Zeolite / Clinoptilolite / ZeoClin / Zeolite Clays.  
This data sheet applies to granular grades of product  
REACH registration notes: Exempted in accordance with Annex v.7

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

**Identified uses:** Turf care, fertilizers manufacture, land remediation, removal of ammonia and heavy metals from waste water, odour absorption.

#### 1.3 Details of the supplier of the safety data sheet

**Company Name:** Rigby Taylor Ltd  
1-3 Freeman Court  
Jarman Way  
Royston  
SG8 5HW  
**Telephone:** 01204 677777  
**Email:** info@rigbytaylor.com

#### 1.4 Emergency telephone number

**Emergency tel:** +44(0) 800 424919 (Office hours only)

### Section 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

**Classification (EC1272/2008)**

**Physical and Chemical Hazards:** Not classified.  
**Human Health:** Not Classified.  
**Environment:** Not Classified.  
**Classification (64/548/EEC):** Not Classified.

**Human Health** This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC. Depending on the type of handling and use, airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust (particles

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up to 10 microns in size) may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

**Environment:**

The product is not expected to be hazardous to the environment.

**Physical and Chemical Hazards:**

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. This product should be handled with care to avoid dust generation.

#### 2.2 Label elements

**Label In Accordance with (EC) No. 1272/2008**

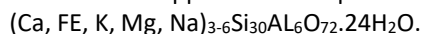
No pictogram required.

#### 2.3 Other hazards

Not Classified as PBT / vPvB by current EU criteria.

### Section 3. Composition/information on ingredients

A natural crystalline aluminosilicate mineral with approximate empirical formula:



Typical mineralogical composition:

95% Clinoptilolite; minor amounts of feldspar, smectite and cristobalite.

CAS No. 12173-10-3

Classification (EC1272/2008):

Not Classified

Classification (67 / 548 / EC):

Not Classified

### Section 4. First Aid Measures

#### 4.1 Description of first aid measures

**General information:**

No acute and delayed symptoms and effects observed.

**Skin contact:**

Wash skin with soap and water. Use suitable lotion to moisturise skin.

**Eye contact:**

Do not rub eye. Rinse with copious quantities of water and seek medical attention if irritation persists.

**Ingestion:**

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Inhalation:**

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

#### 4.2 Most important symptoms and effects, both acute and delayed

**General information:**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No specific first aid measure noted.

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### Section 5. Fire-fighting measures

#### 5.1 Extinguishing media

**Extinguishing media:** The product is non-combustible. No specific extinguishing media is needed.

#### 5.2 Special hazards arising from substance or mixture

**Specific hazards:** This product is not combustible. There are no hazardous thermal decomposition products

#### 5.3 Advice for fire fighters

**Special Fire Fighting Procedures:** No Specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

### Section 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

#### 6.2. Environmental precautions

No known adverse environmental effects.

#### 6.3. Methods and material for containment and cleaning up

Scoop up spillages and place in a container. Avoid creating dusts. Wear appropriate respiratory protection, safety glasses and overalls as a precaution. When used to absorb a hazardous substance, handle as per that substance.

#### 6.4. 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

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. Do not eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

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### 7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, covered area. Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

### 7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

## Section 8. Exposure control/personal protection

### 8.1 Control parameters

<b>Workplace exposure limits:</b>	Respirable dust = 4mg/m <sup>3</sup> ; Total Inhalable Dust = 10mg/m <sup>3</sup> .
<b>Quartz:</b>	Workplace exposure limit = 0.1 mg/m <sup>3</sup> .

### 8.2 Exposure controls

<b>Engineering measures:</b>	Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.
<b>Respiratory protection:</b>	In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of European or national legislation.
<b>Hand protection:</b>	For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended
<b>Eye protection:</b>	Use eye protection, Goggles/face shield are recommended.
<b>Hygiene Measures:</b>	When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.
<b>Skin protection:</b>	No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical State:</b>	Granular solid
<b>Colour:</b>	Off-white or ivory
<b>Odour:</b>	Slight earth-like odour
<b>Hardness:</b>	2 to 3 Mohs
<b>Melting point:</b>	Approx 1300°C
<b>Bulk Density:</b>	0.7 – 1.6mm– 0.8 – 0.85MT/m <sup>3</sup> 1.6-3mm: 0.8-0.9 MT/m <sup>3</sup> 3-5mm: 0.8-0.9 MT/m <sup>3</sup> 9-16mm: 0.8-0.9 MT/m <sup>3</sup> 16-50mm: 0.8 MT/m <sup>3</sup>
<b>Specific weight:</b>	2000 – 2400 kgs/m <sup>3</sup>
<b>Solubility:</b>	Virtually insoluble
<b>Flammability:</b>	Non-flammable

## Section 10. Stability and reactivity

## 10.1 Reactivity

**Reactivity:** No specific reactivity hazards associated with this product.

## 10.2 Chemical stability

**Chemical stability:** Stable under normal temperature conditions and recommended use.

## 10.3 Possibility of hazardous reactions

Not applicable

## 10.4 Conditions to avoid

No particular incompatibility.

## 10.5 Incompatible materials

**Materials to avoid:** Strong oxidising agents. Hydrofluoric acid.

## 10.6 Hazardous decomposition products

None under normal conditions.

## Section 11. Toxicological information

## 11.1 Information on toxicological information

## General information

## Skin contact:

## Eye contact:

## Ingestion:

## Inhalation:

This product has low toxicity

Prolonged contact may cause dryness of the skin.

Particles in the eyes may cause irritation and smarting.

No known toxicology due to accidental ingestion.

Silicosis of the lung may result from excessive inhalation of respirable particles (up to 10 microns in size) over an extended period.

## Section 12. Ecological information

## Ecotoxicity :

This product is classified as environmentally non-hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 12.1 Toxicity

## Acute toxicity-Fish:

Not toxic

## Acute toxicity – Aquatic Invertebrates:

Not Toxic

## Acute toxicity – Aquatic Plants:

Not Toxic

## 12.2 Persistence and degradability

## Degradability:

The product is not biodegradable.

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#### 12.3 Bioaccumulative potential

**Bioaccumulation potential:** This product does not contain any substance expected to be bioaccumulating.

#### 12.4 Mobility in soil

**Mobility:** This product is virtually insoluble in water.

#### 12.5 Results of PBT and vPvB assessment

**PBT identification:** Not Classified as PBT / vPvB by current EU criteria.

#### 12.6 Other adverse effects

None known.

### Section 13. Disposal considerations

**General:** This mineral can be disposed of as a non-toxic/inactive material in approved landfill sites in accordance with local regulations

#### 13.1 Waste treatment methods

Where possible, recycling is preferable to disposal. Dispose of in compliance with local regulations

### Section 14. Transport information

**General:** No special precautions. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1 UN Number

No information required.

#### 14.2 UN Proper shipping name

No information required.

#### 14.3 Transport hazard class(es)

No information required.

#### 14.4 Packing Group

No information required.

#### 14.5 Environmental Hazards

Not an Environmentally Hazardous Substance / Marine Pollutant.

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#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC code

No information required

### Section 15. Regulatory information

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

1. Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 no 2677) with amendments.
2. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009( S.I. 2009 No. 716)3
3. Safety Data Sheets for Substances and Preparations. Classification and labelling of Substances and Preparations Dangerous for Supply.
4. REACH – Exempted in accordance with Annex v.7
5. Workplace Exposure Limits 2005 (EH40)

#### 15.2 Chemical Safety Assessment

**Chemical safety assessment:** No chemical safety assessment has been carried out.

### Section 16. Other information

Rigby Taylor Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by a properly trained person. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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End of Safety Data Sheet