

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- 1.1 Name of Product:** **NO RAKE MOSS REMOVER**
- 1.2 Use of the Substance/Preparation:** Fertiliser
- 1.3 Manufacturer/Distributor:** Vitax Limited  
Owen Street  
Coalville  
LE67 3DE Tel: 01530 510060 Fax: 01530 510299 Email: tech@vitax.co.uk
- 1.4 Emergency Contact:** Tel: 01530 510060 (Office Hours)

## 2. HAZARDS IDENTIFICATION

- 2.1 Classification:** Not classified as dangerous.
- 2.2 Label elements:** Not applicable.
- 2.3 Other hazards:** low toxicity under normal handling and use.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures:** Compound organo-mineral fertiliser containing 5% nitrogen, 2% phosphorus pentoxide, 15% potassium oxide with added beneficial soil microorganisms, wetting agent and amino acids.

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s) and phrases	Concentration [%]
Single Superphosphate	8011-76-5/ 232-379-5	01-2119488967-11-XXXX REACH reg no.	GHS07 Eye Irrit 2, H319	>5 < 10

## 4. FIRST AID MEASURES

- 4.1 Description of First Aid Measures**
- Eye contact** – irrigate with water thoroughly.
- Skin contact** – wash hands and exposed skin after use.
- Ingestion** – wash out mouth with water and seek medical advice.
- Inhalation** – remove to fresh air.
- 4.2 Most important symptoms and effects, both acute and delayed**
- Skin Contact:** unlikely to cause irritation.
- Eye Contact:** pain and redness.
- Ingestion:** based on components, product is considered to present little hazard by oral exposure.
- Inhalation:** unlikely to cause harmful effects under normal handling and use.
- 4.3 Indication of immediate medical attention and special treatment needed:** none
- Additional medical guidance is available to doctors from the National Poisons Information Service.

## 5. FIRE FIGHTING MEASURES

- Non flammable
- 5.1 Extinguishing Media:** If involved in a fire use water spray or dry powder.
- 5.2 Special hazards arising from substance or mixture:** In intense heat, product decomposition will release toxic fumes.
- 5.3 Advice for firefighters:** Wear self-contained breathing apparatus in confined spaces. Contain contaminated run-off.

## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Wash hands and exposed skin after handling.
- 6.2 Environmental precautions:** Do not allow to enter drains or sewers.
- 6.3 Methods and material for containment and cleaning up:** Soak up with absorbent material such as sand and transfer to suitable container.

## 7. HANDLING & STORAGE

- 7.1 Precautions for Safe Handling:** Do not block stack pallets.
- 7.2 Conditions for Safe Storage:** Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area. Store clear of foodstuffs and in a separate stack from herbicides.
- 7.3 Specific end use:** Fertiliser.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1 Control parameters:**

Occupational exposure limits	
Sand (L)	Long-term exposure limit (8-hour TWA): Silica Dust (respirable) WEL 0.1 mg/m <sup>3</sup>
Ammonium Sulphate	Long-term exposure limit (8-hour TWA): LTEL 10 mg/m <sup>3</sup>
Dolomite	Long-term exposure limit (8-hour TWA): WEL 10 mg/m <sup>3</sup> inhalable dust
	Long-term exposure limit (8-hour TWA): WEL 4 mg/m <sup>3</sup> respirable dust
Urea	Long-term exposure limit (8-hour TWA): WEL 10 mg/m <sup>3</sup> inhalable dust
	Long-term exposure limit (8-hour TWA): WEL 4 mg/m <sup>3</sup> respirable dust
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 <sup>3</sup>
	Workers - Inhalation; Long term systemic effects: 292 mg/m <sup>3</sup>
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 <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
<b>8.2 Exposure Controls:</b>	No specific personal protective equipment assigned. Normal good industrial hygiene practices should be observed.
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.

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Appearance	1-2mm grey/ brown mini granule
Odour	faint organic
pH	n/a
Boiling point	decomposes above 200-250°C
Melting point	N/A
Flash point	N/A
Flammability	N/A
Autoflammability	N/A
Explosivity	N/A
Oxidising properties	N/A
Vapour Pressure	N/A
Relative density	1.1
Solubility	not soluble

### 9.1 Other Information:

none

## 10. STABILITY & REACTIVITY

<b>10.1 Reactivity:</b>	no data
<b>10.2 Stability:</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Reacts with strong alkalis to release ammonia
<b>10.4 Conditions to Avoid:</b>	Store away from heat
<b>10.5 Incompatible materials:</b>	strong oxidising agents, alkalis, nitrates and nitrites.
<b>10.6 Hazardous Decomposition Products:</b>	Decomposes at high temperatures producing toxic nitrogen oxide fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity – oral	ATE oral (mg/kg) 5,381.36
Acute toxicity – dermal	Notes (dermal LD <sub>50</sub> ) No specific test data are available.
Acute toxicity – inhalation	Notes (inhalation LC <sub>50</sub> ) No specific test data are available.
Serious eye damage/irritation	contains <10% H319 therefore unclassified 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	Not determined.
Germ cell mutagenicity	
Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.
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	Not anticipated to present an aspiration hazard, based on chemical structure.
Eye contact	The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity:</b>	not classified as hazardous. Provides nutrients essential to plant growth.
<b>12.2 Persistence and degradability:</b>	The product is slowly degradable
<b>12.3 Bioaccumulative potential:</b>	no data
<b>12.4 Mobility in soil:</b>	no data
<b>12.5 Results of PBT and vPvB assessment:</b>	This product does not contain any substances classified as PBT or vPvB.
<b>12.6 Other adverse data:</b>	Not relevant

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods:</b>	Disposal route should not permit nitrate contamination of groundwater. Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.
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## 14. TRANSPORT INFORMATION

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<b>14.1. UN number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	Not applicable.
<b>14.3. Transport hazard class(es)</b>	No transport warning sign required.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	
Environmentally hazardous substance/marine pollutant	No.
<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific to this substance:</b>	Not classified as dangerous for supply. This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, 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
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# SAFETY INFORMATION SHEET

Date of Issue: Nov 2014  
Revised: October 2018

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## 15.2 Chemical Safety Assessment

(REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  
not undertaken for this substance

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## 16. OTHER INFORMATION

### Reason for revision:

Additional toxicological, ecological and transport information provided Sections 11, 12 & 14 updated.

### Hazard statements in full

H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

### Liability

The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.