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

1.1 Product Identifier	GARDEN LIME
1.2 Use of the substance/preparation	Fertiliser.
1.3 Company identification	Vitax Limited Owen Street Coalville LE67 3DE Tel: 01530 510060 Fax: 01530 510299 Email: info@vitax.co.uk
1.4 Emergency telephone	Tel: +44 (0) 1530 510060 during office hours

2. HAZARDS IDENTIFICATION

2.1 Classification:	Classification (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture.
2.2 Label elements	Labelling (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture.
2.3 Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical composition	Calcium Carbonate CaCO ₃ 85-100% mixed.
	Substance Calcium Carbonate CaCO ₃
	Trivial Name Granular chalk, Limestone
	CAS Number 1317-65-3
	EINECS Number 215-279-6

4. FIRST AID MEASURES

4.1 Description of First Aid Measures	
If inhaled	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
4.2. Most important symptoms and effects, both acute and delayed	Not available
4.3 Indication of immediate medical attention and special treatment needed:	Not available.

5. FIRE - FIGHTING MEASURES

5.1 Extinguishing media	Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2 Special hazards arising from the substance or mixture	Hazardous combustion products	No hazardous combustion products are known
5.3 Advice for firefighters	Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.
	Further information	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Personal precautions	Avoid dust formation.
6.2 Environmental precautions	Environmental precautions	No special environmental precautions required.
6.3 Methods and material for containment and cleaning up	Methods for cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

SAFETY INFORMATION SHEET

Date of Issue: February 2004
Revision date: May 2016

6.4 Reference to other sections Not applicable

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling For personal protection see section 8. No special handling advice required.

Advice on protection against fire and explosion

Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage

Do not store near acids.

Storage class (TRGS 510)

13, Non Combustible Solids

Other data

Keep in a dry place. No decomposition if stored and applied as directed.

7.3 Specific end use(s)

no data available

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Natural Calcium Carbonate.	1317-65-3	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of air-borne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>			

8.2 Exposure controls

Personal protective equipment

Eye protection:

Safety glasses

Hand protection

For prolonged or repeated contact use protective gloves.

Skin and body protection:

Protective suit

Respiratory protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with a particle filter P2 (EN 143)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: powder, granular

Colour: white

Odour: characteristic

pH 8,5 - 9,5, Concentration: 100 g/l (20 °C) Method: DIN-ISO 787/9

Melting point/range > 800 °C (1.013 hPa) Decomposes below the melting point.

Boiling point/boiling range

SAFETY INFORMATION SHEET

Date of Issue: February 2004
Revision date: May 2016

	Decomposes below the boiling point.
Flash point	does not flash
Flammability (solid, gas)	The product is not flammable.
Upper explosion limit	Not applicable
Lower explosion limit	Not applicable
Vapour pressure	Not applicable
Density	2,6 - 2,8 g/cm ³ (20 °C, 1.013 hPa) Method: DIN-ISO 787/10
Solubility(ies)	
Water solubility	0,014 g/l (20 °C, 1.013 hPa) 0,018 g/l (75 °C, 1.013 hPa)
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	> 600 °C
Explosive properties	
Acc. EU Legislation:	Not explosive
Acc. Transp. Regul:	Not explosive
9.2 Other information	no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended storage conditions.
10.2 Chemical stability	No decomposition if stored and applied as directed.
10.3 Possibility of hazardous reactions	Stable under recommended storage conditions. No decomposition if used as directed. Reacts with acids. It forms carbon dioxide (CO ₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation).
10.4 Conditions to avoid	no data available
10.5 Incompatible materials	no data available
10.6 Hazardous decomposition products	

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	
Acute oral toxicity LD50 Oral (Rat):	> 5.000 mg/kg
Skin corrosion/irritation	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Serious eye damage/eye irritation	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
Respiratory or skin sensitisation	no data available
Further information	no data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)):	> 10.000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)):	> 1.000 mg/l Exposure time: 48 h
Toxicity to algae EC50 (Desmodesmus subspicatus (green algae)):	
Exposure time: 72 h	> 200 mg/l
12.2 Persistence and degradability	
Biodegradability	Not applicable
12.3 Bioaccumulative potential	
Partition coefficient: n-octanol/water	Not applicable
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects	In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should

SAFETY INFORMATION SHEET

Date of Issue: February 2004
Revision date: May 2016

therefore be excluded. Restrictions may be indicated that concentrated suspensions these minerals in natural waters may have an unfavourable effect on water organisms (disturbance of the micro flora and -fauna in the sediment and subsequent detriment to the existence of higher water organisms).

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 UN number Not applicable
14.2 UN proper shipping name Not applicable
14.3 Transport hazard class(es) Not applicable
14.4 Packing group Not applicable
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

15. REGULATORY INFORMATION

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

Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals
Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants
Not applicable
Seveso II - Directive 2003/105/EC on the control of major-accident hazards involving dangerous substances
Not applicable
Seveso III: Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances.
Not applicable
Water contaminating class (Germany): nwg not water endangering Code Number: 317
15.2 Chemical Safety Assessment Not conducted for this product

16. OTHER INFORMATION

Reason for revision: Replaces version dated June 2009. Revised format- all sections updated.

Abbreviations

IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ADR/RID: Agreement on the transport of dangerous goods by road/Regulations on the international transport of dangerous goods by rail
LD50 Lethal Dose where 50% of the test animals dies.

Sources of key data used to compile the Safety Data Sheet

Information taken from reference works and the literature.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.