



William Sinclair Horticulture Limited

SAFETY DATA SHEET

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

1.1 Product Identifier:

J Arthur Bowers Garden Lime

1.2 Relevant uses of the substance or mixture and uses advised against:

Use as a horticultural/amenity fertiliser

1.3 Details of the supplier of the safety data sheet:

William Sinclair Horticulture Limited
Firth Road
Lincoln
LN6 7AH

Contact: The Safety Officer
Phone number: 00 44 (0) 1522 537561
Fax: (01522) 513609
Email: info@william-sinclair.co.uk

1.4 Emergency phone number

Phone number: 00 44 (0) 1522 537561

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

This mixture is not classified as dangerous to humans or the environment

Classification according to 67/548/EEC (EU-DSD)

This mixture is not classified as dangerous to humans or the environment

Primary Hazard

None

2.2 Label Elements

There are no statutory labelling requirements under Directive 1999/45/EC, regulation 1272/2008 and regulation 453/2012.

2.3 Other Hazards

Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No EC No	% (w/w)	EU Classification (67/548/EEC)	CLP/CHS Classification (1272/2008)
Limestone	1317-65-3 215-279-6	>= 85 - < 100	Not classified as dangerous	Not classified as hazardous

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms appear.

4.1.2 Skin & Eye exposure

Skin Wash exposed skin with soap and water. Get medical attention if irritation develops.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, remove contact lenses. Get medical attention if irritation occurs.

4.1.3 Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed

None known

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

Treat symptomatically..

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special Hazards arising from the substance or mixture

None known

5.3 Advice for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Avoid breathing dust. Wear eye protection and gloves

6.2 Environmental Precautions

No special environmental precautions required

6.3 Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

Refer to Section 8 for personal protective equipment

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry place. Do not store near acids.

7.3 Specific end use(s)

No Information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components	CAS-No	Value type (form of exposure)	Control Parameters	Basis
Limestone	1317-65-3	TWA (Inhalable)	10 mg m ⁻³	EH40
		TWA (respirable dust)	4 mg m ⁻³	EH40

8.2 Exposure controls

Appropriate Engineering Controls:
Provide adequate ventilation

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Personal Protective Measurers

Eye/face Protection: Avoid contact with eyes. Safety Glasses

Skin Protection: Avoid contact with skin. Wear suitable protective clothing.

Hands: Wear gloves that cannot be penetrated by chemicals or oil

Respiratory Protection: Wear a FFP 1 Dust Mask

Hygiene Measures: Wash exposed skin after handling. Do not eat and drink when handling

8.2.3 Environmental Exposure Controls

Do not let product enter the drains

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: off white powder

Odour: Very faint

Odour Threshold: None

pH: 8.5 – 9.5 100 g/l (20 °C) DIN ISO 787/9

Melting/Freezing Point: > 800 °C

Flash Point: Not applicable

Bulk Density: 1340 Kg m⁻³

Water Solubility: 0.014 g/l @ 20 °C

Auto Ignition Temperature > 600 °C

Explosive Properties Not explosive

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal handling and storage

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No specific hazardous reactions known.

10.4 Conditions to avoid

Not known

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition

Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral Toxicity:	LD50 > 5 g / Kg (Rat)
Acute Inhalation Toxicity	Not Known
Acute Dermal Toxicity	LD50 > 5 g / Kg (Rat)
Skin corrosion / irritation	No irritation
Serious eye damage / irritation	Not classified
Respiratory or skin sensitisation	Not classified
Carcinogenicity	Information not available
Reproductive Toxicity	Information not available

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to Fish

LC50: >10000 mg/l 96h (Oncorhynchus mykiss Rainbow trout)

Toxicity to Aquatic Invertebrates

LC50: 1000 mg/l / 48 h(Daphnia)

Toxicity to Algae

EC50: >200 mg/l / 18 D(Chlorella vulgaris)

12.2 Persistence and degradability

Biodegradability: Not Applicable

12.3 Bioaccumulative potential

Not Applicable

12.4 Mobility in soil

Not Applicable

12.5 Results of PBT and vPvB

Not classified

12.6 Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number: Product is unclassified for transport

14.2 UN proper shipping name: Product is unclassified for transport

14.3 Transport hazard Product is unclassified for transport

14.4 Packing group: Product is unclassified for transport

14.5 Environmental hazards: Product is unclassified for transport

14.6 Special precautions for user: No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Applicable for Maritime bulk transport only. Check with carrier.

15. REGULATORY INFORMATION

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

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 (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. Regulation (EC)

16. OTHER INFORMATION

SDS information:

This Safety data sheet is compiled using data submitted for raw materials and practical experience. This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

PRINTED : 17 MARCH 2015