



William Sinclair Horticulture Limited

SAFETY DATA SHEET

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

1.1 Product Identifier:

Expanded Clay

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

The product is applied as aggregate in lightweight aggregate concrete, as floor insulation and in plant cultivation

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
E Mail: 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 as amended (EU-GHS/CLP)

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

Classification according to 67/548/EEC and 1999/45/EC (EU-DSD)

This mixture is not classified as hazardous 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

Prolonged and repeated daily inhalation of large quantities of dust from materials containing quartz involves the risk of pulmonary silicosis and lung cancer.

Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

There are no ingredients present within the current knowledge of the supplier at applicable concentrations that are classified as hazardous to health or the environment.

Chemical name:	Crystalline Silicium Dioxide
Percentage by weight:	0-6
CAS No:	114808-60-7
Einecs No:	238-878-4
Hazard classification:	
Comment:	Respirable quartz fraction < 0.2%

4. FIRST AID MEASURES

Expanded Clay

4.1 Description of first aid measures

4.1.1 Inhalation

If symptoms arise remove from source of exposure to fresh air; seek medical attention if symptoms persist or develop

4.1.2 Skin & Eye exposure

Skin: Drench immediately with water. Remove any contaminated clothing and launder before re-use. Obtain medical attention if symptoms develop or persist.

Eyes: Immediately rinse with clean water for 15 minutes. Obtain medical attention if symptoms develop or persist.

4.1.3 Ingestion

Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention if symptoms develop or persist.

4.2 Most important symptoms and effects, both acute and delayed

Information not available

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

Information not available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Expanded Clay is a non-combustible material, use an extinguishing agent suitable for the surrounding fire

5.2 Special Hazards arising from the substance or mixture

No specific data

5.3 Advice for fire-fighters

Isolate the scene by removing all persons from the fire location. Fire fighters should wear appropriate self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode. Clothing for firefighters conforming to EN 469 should be worn

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

The following precautions are considered to be good practice when using any chemicals irrespective of their classification unless otherwise specified.

Ensure adequate ventilation

Use personal protective equipment,

- Gloves
- Eye protection
- Suitable respirator if dust is generated during handling

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency

6.3 Methods and material for containment and cleaning up

Sweep up the material and place into an appropriate container for disposal or re-use. Do not allow to enter drains or water courses. Dispose of by a licenced waste disposal contractor

6.4 Reference to other sections

See also section 8

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Rough handling of Expanded Clay may cause dust. In the case of an unacceptably high dust level, the expanded clay should be watered, ventilation should be provided or the work process should be changed. Appropriate watering in particular will limit dust formation considerably. If it is not possible to reduce the dust concentration to an acceptable level, respiratory protective equipment should be worn. See also section 8.

Wash Hands thoroughly after handling. Avoid breathing dust

Do not eat, drink or smoke when using this product

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials and strong oxidising agents.

7.3 Specific end use(s)

No Information available

Expanded Clay

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Limits of ingredients subject to declaration according to WES Instruction No. C.2.1, 2442:

Quartz, respirable : 0.1 mg/m³
Quartz, total : 0.3 mg/m³
Mineral dust, inert, respirable : 5 mg/m³
Mineral dust, inert : 10 mg/m³

8.2 Exposure controls

Compliance of limits is subject to control by means of occupational hygienic measurements. The following personal protection measures are suggested if necessary:

Respiratory protective equipment: Rubber half-mask/P2 filters.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance; Lightweight aggregate, brown

Odour; No information available

Odour threshold; No information available

pH; No information available

Bulk Density; No information available

Solubility; No information available

Flammability (solid, gas); No information available

Upper /lower flammability or explosive limits; No information available

Auto ignition temperature; No information available

Decomposition temperature; No information available

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific information available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No specific hazardous reactions known.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

No specific materials to avoid

10.6 Hazardous decomposition products

Under normal conditions of storage and use hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards if any are given in section 3.

Inhalation of dust from the lightweight aggregate may cause irritation to the nose, throat and respiratory tract. Prolonged and repeated daily inhalation of large quantities of dust from materials containing quartz involves the risk of pulmonary silicosis and lung cancer. May irritate the eyes.

Expanded Clay

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture not classified as harmful to aquatic life.

12.2 Persistence and degradability

No specific information available

12.3 Bioaccumulative potential

No specific information available

12.4 Mobility in soil

No specific information available

12.5 Results of PBT and vPvB

Not classified

12.6 Other adverse effects

No specific information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of as construction waste: EAK Code: 01 04 08

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)

15.2 Chemical Safety Assessment

CSA not undertaken for this mixture

16. OTHER INFORMATION

SDS revision 2: includes updated text, hazard information has not been amended.

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.

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