

AXTER HYDROPONIC MINERAL SUBSTRATE

Product

Generic product name: Stone Wool – high alumina, low silica wool

Recommended use: Growth substrate for horticultural use

Hazard identification

Most important hazards: There is no hazard statement associated with this product.

Composition and information on ingredients

| Substance | C.A.S number ⁽³⁾ | Amount weight | Classification and labelling (Regulation CE No 1272/2008) | Classification and labelling (European directive 67/548/EEC) | Index number |
|---------------------------|-----------------------------|---------------|---|--|--------------|
| Stone wool ⁽¹⁾ | 287922-11-6 | 95-100% | Not classified ⁽²⁾ | Not classified | |
| Terpolymer Binder | | 0-5% | Not classified | Not classified | |

(1): Man made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the nota Q conditions.

(2): Non classified H351 "suspected of causing cancer". Stone wool fibres are not classified carcinogenic according to the nota Q of the Directive 97/69/EEC and the regulation n° 1272/2008

(3): C.A.S: Chemical Abstract Service

Possible facing materials: Polyethylene film

First aid measures

Information according to the different exposure route

Inhalation: Remove from exposure. Rinse the throat and blow nose to clear dust.

Skin Contact: If itching occurs, remove contaminated clothing and wash skin gently with cold water and soap.

Eye contact: Rinse abundantly with water for at least 15 minutes.

Ingestion: Drink plenty of water if accidentally indigested.

If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

Fire fighting measures

Suitable extinguishing media:

The products are non combustible, some packaging materials or facings may however be combustible. Suitable extinguishing media: water, foam, carbon dioxide (CO₂) and dry powder. In large fires in poorly ventilated areas or involving packaging materials respiratory protection/breathing apparatus may be required.

Accidental release measures

Personal precautions: In case of presence of high concentrations of dust use the same personal protective equipment as mentioned in Section 8.

Environmental protection: Not relevant

Methods for cleaning up: Clean with vacuum or dampen with water spray prior to sweeping up.

Handling and storage

Handling

Technical measures:

No specific measures. Use a knife preferably. If a power tool is used, it must be equipped with efficient air suction.

Precautions:

Ensure adequate ventilation of workplace (see Exposure controls and personal protection).

Safe handling advice:

Avoid unnecessary handling of unwrapped product (see Exposure controls and personal protection).

Storage

Technical measures:

No special measures necessary.

Suitable conditions:

Products should be stored dry and protected from direct sunlight, materials should be kept in original packaging.

Incompatible materials:

None.

Packaging material:

Products are packed in polyethylene film or cardboard on wooden pallet.

Exposure controls and personal protection

Exposure limit value:

Recommended Maximum Exposure Limit (MEL) 1 fibre/ml (respirable) and/or 5mg/m³ (respirable dust), 8 hours Time Weighted Average (TWA).

Exposure controls:

No specific requirements

Individual protective equipment:

Respiratory protection: When working in unventilated areas or during operations which can generate emission of dust, wear a disposable face mask complying with EN 149 FFP1.

Hand protection: Use gloves complying with EN 388 to avoid itching.
Eye protection: Wear goggles when working overhead. Eye protection to EN 166 is advised.
Skin protection Cover exposed skin.
Hygiene measures Rinse in cold water before washing.

The following sentences are printed on packaging.

The mechanical effect of fibres in contact with the skin may cause temporary itching

- If itching occurs, it may be lessened by rinsing in cold water before washing.
- Ventilate working area if possible
- When handling product, cover exposed skin.
- Wear goggles when working with product overhead
- Dispose of waste in accordance with local regulations
- Clean area using vacuum equipment

Physical and chemical composition

| | |
|----------------------|---|
| Physical state | Solid |
| Form | Slab or shaped article |
| Colour | Grey green |
| Odour | N/A |
| pH | N/A |
| Boiling point | Not relevant |
| Flash point | Not relevant |
| Flammability | Not relevant |
| Explosive properties | Not relevant |
| Density | From 20 to 200kg/m ³ |
| Water solubility | Generally chemically inert and insoluble in water |
| Fat solubility | N/A |
| Melting point | > 1000 ° C |

Stability and reactivity

Stability : Binder will decompose above approx. 200°C.

Dangerous reactions: None in normal conditions of use.

Hazardous decomposition products: None in normal conditions of use.



COSHH sheet

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Toxicological information

Information on carcinogenicity

Classification not applicable for mineral wools in this product; in accordance with directive 97/69/EC and European Regulation 1272/2008, nota Q (see section 15).

Additionally, in 2001 the International Agency for Research on Cancer re-evaluated and reclassified mineral wool (insulation glass wool, rock (stone) wool and slag wool) from Group 2B (possibly carcinogenic) to Group 3 "agent which cannot be classified as for their carcinogenicity to humans" (see Monograph Vol 81).

Ecological information

Stable product with no known adverse environmental effects.

Disposal considerations

Waste from residues: Dispose of in accordance with regulations and procedures in force in country of use or disposal.

Dirty packaging: Dispose of in accordance with local regulations.

Code European Waste Catalogue 02 01 99

Transport information

International regulations: No specific precautions.

Regulatory information

European Union

The European directive 97/69/EC replaced by the regulation (EC) no 1272/2008 concerning the classification, labelling and packaging of the substance and the mixtures does not classify stone wool fibres as hazardous, if they are in compliance with the note Q of this Regulation.

Other information

Axter Hydroponic Mineral Substrate is made of non-classified fibres and is certified by EUCEB. EUCEB, the European Certification Board of Mineral Wool Products, is a voluntary initiative by the mineral wool industry. It is an independent certification authority that guarantees that products are made of fibres, which comply with the exoneration criteria for carcinogenicity (Note Q) of the Directive 97/69/EC and the Regulation (EC) 1272/2008. EUCEB is an ISO 9001:2000 certified association.