

Material Safety Data Sheet for Cultilène Exact Stonewool

1. PRODUCT AND COMPANY NAME

- **Product Name:** Cultilène Exact Stonewool
- **Type of application:** wallless culture
- **Manufacturer:** Cultilène B.V. tel: +31 10 5 294 294
Supplier: Postbus 4 fax: +31 10 5 294 299
 2665 ZG Bleiswijk
 The Netherlands

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance ⁽¹⁾	CAS number ⁽²⁾	Amount Weight%	Classification Labelling ⁽³⁾	Exposure Limit value VME
Rock fibres ⁽⁴⁾	65997-17-3	95 to 98	Xn ; R : 38-40 ⁽⁵⁾	1,0 fibres/ml ⁽⁶⁾
Terpolymer Phenol-urea-formaldehyde Polycondensed		2 to 5	Not regulated	

⁽¹⁾ referred to the definition of the article R231-51 of the french "code du travail"

⁽²⁾ CAS: Chemical Abstract Service

⁽³⁾ directive 67/548/CEE

⁽⁴⁾ components $\text{CaO} + \text{MgO} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{BaO} > 18\%$

⁽⁵⁾ directive 97/69/EC of 05.12.97 published 13.12.97 in the official journal of the European Community

⁽⁶⁾ circular DRT n°95/4 of 12.01.95 which modifies and completes the modified circular of 17.07.82 relating to limit values allowed for concentration of some dangerous substances in the atmosphere of working places (not published within "Official Journal")

- **Ingredients contributing to the hazard:**
- **Facing and adhesive:** none or polythene

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3. HAZARDS IDENTIFICATION

- **Most important hazards:** Classified R38 "skin irritant" in accordance with the directive 97/69/EC, for its transient, mechanical effect on skin.
Classified R40 in accordance with the directive 97/69/EC. See also section 15.
- **Specific hazards:** not applicable

4. FIRST-AID MEASURES

Means to first aid

Information according to the different exposure routes:

- **Inhalation:** remove from exposure. Rinse the throat and blow nose to clear dust.
- **Skin contact:** wash gently with warm water and soap. In case of allergy, consult a doctor.
- **Eye contact:** rinse abundantly with copious quantities of water for at least 15 minutes. If irritation persists, consult a doctor.
- **Ingestion:** not relevant.

5. FIRE-FIGHTING MEASURES

- **Extinguishing media:** water, sprayed water, foam, CO₂.

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6. 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 precautions:** not relevant.
- **Methods for cleaning up:** vacuum cleaner.

7. HANDLING AND STORAGE

Handling

- **Technical measures:** no specific measures.
- **Precautions:** not relevant.
- **Safe handling advice:** not relevant.

Storage

- **Technical measures:** no specific measures.
- **Suitable storage conditions:** under cover in dry place.
Protected from inclement weather.
- **Incompatible materials:** none.
- **Packaging material:** cardboard protections and polythene stretchfoil.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering measures:** for cutting, use a knife rather than a saw.
- **Hygiene measures:** after protracted contact, wash hands with water and soap

Personal protective equipment

- **Respiratory protection:** wearing a face mask type P2S is recommended when using products in confined atmosphere or during operations which can produce emission of dust.
- **Hand protection:** gloves.
- **Eye protection:** glasses.
- **Skin and body protection:** full clothes with closed sleeves.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** solid.
- **Form:** mineral wool of homogeneous texture in the form of slabs.
- **Density:** 45 to 80 kg/m³ according to references.

Diameter of fibres:

- **Approximate nominal** 3 to 5 µm
- **Length weighted geometric mean minus 2 standard deviations** < 6 µm
- **Color:** brown.
- **Odour:** not relevant.
- **Solubility in water:** not relevant.
- **pH:** not applicable.
- **Devitrification Temperature:** about 1100°C.
- **Flash point:** not applicable.
- **Explosion properties:** not applicable.

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10. STABILITY AND REACTIVITY

- **Stability:** stability of initial characteristics up to 100°C.
- **Hazardous reactions:** not relevant.
- **Hazardous decomposition products:** not relevant.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** not relevant.
- **Chronic toxicity:** no chronic effect in normal conditions of use.

Local effects

- **Inhalation:** itching of the throat and nose (nasal mucous).
- **Skin contact:** short-lived itching or red spots which usually disappear after a few days. Exceptionally allergy. Product is not "skin irritant" based on method B4 from European directive 67/548/EEC.
- **Eye contact:** short-lived itching or inflammation.
- **Ingestion:** may cause itching of the superior aerodigestive canal.

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12. ECOLOGICAL INFORMATION

No risk for the environment from placed products.
Product which can be recycled.

13. DISPOSAL CONSIDERATIONS

- **Waste from residues:** dispose of in accordance with regulations and procedures in force. Waste from this product is in the green list of waste (GE 020 - European directive 259/93 modified by the decision n°96/660).
- **Contaminated packaging:** dispose of in accordance with regulations and procedures in force.

If necessary contact the manufacturer.

14. TRANSPORT INFORMATION

- **International regulations:** No specific regulations.

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15. REGULATORY INFORMATION

European directive 97/69/EC, adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the linking of the laws, regulations and administrative provisions relating to the classification, the packaging and the labelling of dangerous substances, classifies mineral wools. It has been integrated into the French law by the Arrêté from 28.08.98 (Journal Officiel from 10.09.98).

Mineral wool (vitreous silicate fibres with random orientation, which weighted percentage of alkali oxides and earth-alkali oxides ($\text{CaO} + \text{MgO} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{BaO}$) is higher than 18 %) are classified:

- possibly carcinogenic, category 3: "alarming substances for man because of possible carcinogenic effects. Nevertheless, available information on the topic does not permit a satisfactory assessment. Suitable studies on animals have given elements but they are not sufficient enough to classify these substances into category 2.
- skin irritant (R38).

Nevertheless, classification as carcinogenic does not apply if:

- a short-term biopersistence test by inhalation has shown that fibres longer than 20 μm have a weighted half life less than 10 days, or
- a short-term biopersistence test by intratracheal instillation has shown that fibres longer than 20 μm have a weighted half life less than 40 days, or
- an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity, or
- a suitable long term inhalation test has shown absence of relevant pathogenicity or neoplastic changes.

16. OTHER INFORMATION

- Persons who wish to obtain more detailed information can contact the producer.
- Information given in this data sheet is based on the knowledge regarding this material as of 13.06.00. It is given in good faith.
- The attention of users is drawn to possible risks taken when the product is used for other applications than the ones it has been designed for.