

Safety Data Sheet



Producer

Volcanic Wool International (Pty) Ltd

10 Molecule Road

Vulcania

Brakpan, 1541

Tel: (27) 011 817 5077

Fax: (27) 011 813 2972

<http://www.volcanicwoolint.com>

e-mail: info@volcanicwoolint.com

Responsible for distribution

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SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Volcanic Wool

Product name: Stone wool heat and sound insulation boards and mats

1.2. Relevant identified uses of the substance or mixture and uses advised against

The product manufactured using synthetic binding agent, hydrophobic and modifying additives to be used as thermal and sound insulation of residential, public, commercial and industrial buildings and constructions. The product could be produced with facing material such as stitching wire mesh or without it.

1.3. Details of the supplier of the safety data sheet

Company identification : See producer.

1.4. Emergency telephone number

Tel: (27) 011 817 5077

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

GHS/CLP CE N^o1272/2008: The product is not classified

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2.2. Label elements

There are no Risk Phrases associated with this product.

2.3. Other hazards

The mechanical effect of fibers in contact with skin may cause temporary itching.

Exposure to dust may be irritating to the eyes, nose and throat.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Ingredient name	EC No.:	Content, %	Hazard classification	Notes
Stone mineral wool	926-099-9	95-98	-	(1), (2)
Cured Phenolic Formaldehyde Binder	-	2-4,5	-	

Notes:

- (1) Not classified as carcinogenic according to Note Q of regulation no. 1272/2008 (Man-made vitreous (silicate) fibers with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+ BaO) content greater than 18 % by weight)
- (2) Possible facing materials: stitching wire mesh

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation: Remove from exposure. Rinse the throat and clear dust from airways.

Skin contact: If mechanical irritation 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 ingested.

4.2. Most important symptoms and effects, both acute and delayed

The mechanical effect of products in contact with skin may cause temporary itching.

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

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

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SECTION 5. Firefighting measures

5.1. Extinguishing media

Water, foam, carbon dioxide (CO₂), and dry powder.

5.2. Special hazards arising from the substance or mixture

Products do not pose a fire hazard in use; however, some packaging materials may be combustible.

Products of combustion from product and packaging - carbon dioxide, carbon monoxide and some trace gases and volatile organic substances.

5.3. Advice for firefighters

In large fires in poorly ventilated areas or involving packaging materials respiratory protection / breathing apparatus may be required.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

6.2. Environmental precautions

See section 13.

6.3. Methods and material for containment and cleaning up

Vacuum clean or dampen down with water spray prior to brushing up.

6.4. Reference to other sections

For personal protection see section 8.

For disposal of the waste product, see section 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Technical measures: Cut using a knife. Power tools should be equipped by ventilation hood.

Technical precautions: Provide adequate ventilation.

Safe handling advice: Avoid unnecessary handling of unwrapped product.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures: After packaging film removal, product should be stored in dry and properly ventilated place.

Advised storage conditions: Keep unpacked products in dry and properly ventilated place.

Packing material: Products supplied packed in PE film.

7.3. Specific end use(s)

Not relevant

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Exposure limits: None at European level, refer to member state guidelines and legislation.

South Africa: None at South African level, refer to member state guidelines and legislation.

Local exposure limits:

Machine-made mineral fiber - 2 mg/m³

8.2. Personal protection

Engineering measures: Provide proper ventilation

Respiratory equipment: Wearing a face mask type in accordance with EN 149 FFP1 is recommended when using products in confined atmosphere or during operations which can generate emission of any dust.

Hand protection: Use gloves to avoid itching in conformity with EN 388.

Eye protection: Use goggles especially if working above shoulders. Eye protection according to EN 166 is advised.

Skin protection: Cover exposed skin.

Hygiene measures: After contact, wash hands with cold water and soap.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Solid.
Form:	Board or mat.
Colour	Yellow.
Odour:	none

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pH:	Not relevant
Melting point:	>1000°C
Flash point:	Not relevant.
Flammability (solid, gas):	Not relevant.
Explosion limits:	Not relevant.
Relative density:	30-120 kg/m ³ ±15%
Solubility in water:	insoluble
Fat solubility:	not applicable

9.2. Other information

Approximate nominal diameter of fibers. 4 - 7 µm

Orientation of fibers: Random.

SECTION 10. Stability and reactivity

10.1. Reactivity

Reactivity: No dangerous reactivity

10.2. Chemical stability

Stability: Binder will start to decompose at temperature above 280°C. Full decomposition of binder occurs after 3-4 hours of exposing product to the temperature 450°C-600°C.

10.3. Possibility of hazardous reactions

Hazardous Reactions: None in normal conditions of use.

10.4. Conditions to avoid

Conditions/materials to avoid: Heating above 280 °C

10.5. Incompatible materials

Incompatible materials: None.

10.6. Hazardous decomposition products

Hazardous decomposition products: None in normal conditions of use.

Decomposition of binder above 280°C may produce carbon dioxide and some trace gases. The duration of release is dependent upon the thickness of the insulation, binder content and the temperature applied.

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SECTION 11. Toxicological information

11.1. Information on toxicological effects

The mechanical effect of fibers in contact with skin may cause temporary itching.

11.2. Carcinogenic effects

Classification not applicable for this product; in accordance with European Regulation 1272/2008, note Q.

SECTION 12. Ecological information

12.1. Toxicity

Ecotoxicity: This product is not ecotoxic to air, water or soil, by composition.

12.2. Persistence and degradability

Degradability: Inert inorganic product

12.3. Bioaccumulative potential

Bioaccumulative potential: Low bioaccumulative potential

12.4. Mobility in soil

Mobility: No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

12.6. Other adverse effects

Other adverse effects: In normal conditions of use the product not cause adverse effects to flora and fauna.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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

Contaminated packaging: Dispose of in accordance with regulations and procedures in force in country of use or disposal.

EWC-code: 17 06 04, Non-hazardous substance.

SECTION 14. Transport information

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The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

SECTION 15. Regulatory information

The product meets requirements of the Regulation EC 1272/2008 Note Q and therefore is not classified as dangerous.

SECTION 16. Other information

The present Safety Data Sheet composed based on our last knowledge on the date 28/06/2017. We believe that all the information presented here is objective. However all possible risks should be considered if product used inappropriately.

All the products of Volcanic Wool International (Pty) Ltd is manufactured from non-carcinogenic materials. In 2001, International Agency for Research on Cancer updated status of mineral wool products (insulation glass, stone and slag wool) and transferred it from group 2B (Possibly carcinogenic to humans) to group 3 (Not classifiable as to its carcinogenicity to humans).

All the information provided in the present Safety Data Sheet describes safety requirements to be abiding when handling mineral wool manufactured by Volcanic Wool International (Pty) Ltd.

The present Safety Data Sheet is not to provide any warranty to specific properties of the product.