

# MINERAL WOOL

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

### 1.1. Product identifier

Product form: Article

Trade name: Mineral Wool Products

Type of product: This product is an article under the REACH definition. As the Classification and labelling regulations (CLP) strictly applies to substances and mixtures it does not make provision for articles. However this product SDS and the defined labelling is provided voluntarily. As a duty of care to the user.

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

#### 1.2.1. Relevant identified uses

For industrial use within high temperature applications.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Identification of the company

##### INSULCON B.V.

The Netherlands

Tel. : +31 (0)167-565750

[www.insulcon.com](http://www.insulcon.com)

##### INSULCON N.V.

Belgium

Tel. : + 32 (0)3 711.02.78

##### INSULCON GMBH

Germany

Tel.: +49 (0)2131 408548-0

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Extra phrases: This product is an article and has not to be classified and labelled according to the current laws and regulations.

### 2.3. Other hazards

Other hazards which do not result in classification: May cause mechanical irritation to the skin, eyes and respiratory system.

PBT: not relevant – no registration required vPvB: not relevant – no registration required

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

# MINERAL WOOL

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixtures

Comments: Article

Contains : Man-made vitreous (silicate) fibres (CAS 287922-11-6) substance with national workplace exposure limit(s)

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral Wool Products	-	100	Not classified

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

First-aid measures general	:	In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	:	Fibrous dust may be liberated when handling in use. If irritation to nose and throat, move to fresh air.
First-aid measures after skin contact	:	Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	:	Ingestion unlikely.

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

Symptoms/effects after inhalation	:	mechanical irritation.
Symptoms/effects after skin contact	:	mechanical irritation.
Symptoms/effects after eye contact	:	mechanical irritation.

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

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: The product is not flammable. Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard: Non flammable.

Explosion hazard: Product is not explosive.

Hazardous decomposition products in case of fire: None.

# MINERAL WOOL

## 5.3. Advice for firefighters

- Firefighting instructions : Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, section 8.  
Emergency procedures : Prohibit unauthorized persons.

#### 6.1.2. For emergency responders

- Protective equipment : Ensure adequate ventilation. Concerning personal protective equipment to use, see section 8.  
Emergency procedures : Manipulations are to be done only by qualified and authorised persons.

### 6.2. Environmental precautions

- Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product. Minimize generation of dust. Dust can be vacuumed with a vacuum cleaner containing a HEPA (High Efficiency Particulate Air) filter.  
Other information : Disposal must be done according to official regulations.

### 6.4. Reference to other sections

- Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Additional hazards when processed : Extraction to remove dust at its source.  
Precautions for safe handling : Obtain special instructions before use. Use personal protective equipment as required. Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product. Avoid dust formation. Do not breathe dust. Avoid contact with eyes. Clean contaminated areas thoroughly.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

# MINERAL WOOL

## 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Product must only be kept in the original packaging. Store tightly closed in a dry and cool place.

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

## 7.3. Specific end use(s)

For professional users only. See Heading 8.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Mineral Wool Products	
United Kingdom - Occupational Exposure Limits	
Remark	2,0 f/ml (HSE EH40 Workplace Exposure Limit)

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Eye and face protection

Eye protection: In case of dust production: protective goggles

##### 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Leather protective gloves

##### 8.2.2.3. Respiratory protection

Respiratory protection: Dust formation: dust mask. (FFP3)

##### 8.2.2.4. Thermal hazards

No additional information available

# MINERAL WOOL

## 8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

## Other information

Do not eat, drink or smoke when using this product. Do not take working clothes home. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Green. Grey.
Odour	: odourless.
Odour threshold	: No data available
Melting point	: > 1000 °C (Fibres)
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

# MINERAL WOOL

## 9.2 Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

Other properties: Length weighted geometric mean diameter of fibres contained in the product: 3-5 µm

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No additional information available.

### 10.5. Incompatible materials

None.

### 10.6. Hazardous decomposition products

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

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal):	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation):	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information:	Dust from this product may cause skin irritation
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information:	Dust from this product may cause minor eye irritation
Respiratory or skin sensitisation:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)

# MINERAL WOOL

Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure:	Not classified (Based on available data, the classification criteria are not met)
Additional information:	Dust from this product may cause respiratory irritation
STOT-repeated exposure:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard:	Not classified (Not relevant)

## 11.2. Information on other hazards

No additional information available

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic): Not classified (Based on available data, the classification criteria are not met)

### 12.2. Persistence and degradability

<b>Mineral Wool Products</b>	
Persistence and degradability	Not applicable.

### 12.3. Bioaccumulative potential

<b>Mineral Wool Products</b>	
Bioaccumulative potential	Not applicable.

### 12.4. Mobility in soil

<b>Mineral Wool Products</b>	
Ecology - soil	Not applicable.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available.

# MINERAL WOOL

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Sewage disposal recommendations: Do not allow into drains or water courses.

Product/Packaging disposal recommendations: Do not dispose of with domestic waste.

## 14. TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	AND	RID
<b>14.1 UN Number or ID number</b>				
Not applicable				
<b>14.2 UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3 Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4 Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5 Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available.				

### 14.6 Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

# MINERAL WOOL

## 15. REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations: This product is an article and has not to be classified and labelled according to the current laws and regulations. A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

Take note of Directive 94/33/EC on the protection of young people at work. Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.

#### REACH Annex XVII (Restriction List)

Not applicable.

#### REACH Annex XIV (Authorisation List)

Not applicable.

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# MINERAL WOOL

## 16. OTHER INFORMATION

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DMEL	Derived Minimal Effect level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PNEC	Predicted No-Effect Concentration
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit