

## SAFE USE INSTRUCTION SHEET\*

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### 1: Identification of the substance/mixture/article and of the company

- 1.1 Product identifier: Glass wool
- 1.2. Relevant identified uses of the substance or mixture or article and uses advised against  
Relevant identified uses:  
Thermal and/or acoustical insulation
- 1.2 Details of the supplier of the Safe Use Instruction Sheet:  
  
Saint-Gobain Construction Products Polska Sp. Z o.o.  
Ul. Okrężna 16, 44-100 Gliwice, Poland  
Tel. +48 32 339 63 00  
e-mail: info@isover.pl
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### 2: Hazards identification

- 2.1 Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP] is not applicable to article.  
See section 3 for information on ingredients.
- 2.2 Label elements  
Labelling according to Regulation (EC) No 1272/2008 [CLP] is not applicable to article.
- 2.3 Other hazards  
Classification according to Regulation (EC) No 1272/2008 [CLP] is not applicable to article.  
See section 3 for information on ingredients.
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### 3: Composition/information on ingredients

\*The European Regulation on Registration, Evaluation and Authorisation of Chemicals (EC) No 1907/2006 (REACH) enforced on June 1<sup>st</sup> 2007 requires Safety Data Sheet (SDS) only for specific substances and mixtures as defined in Art 31. Mineral wool products (panels or rolls), are articles under REACH and therefore, SDS is not legally required. Nevertheless, Saint-Gobain Construction Products Polska Sp. z o.o. decides to provide its customers on a voluntary basis with the appropriate information for assuring safe handling and use of mineral wool through this voluntary Safe Use Instructions Sheet.

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### Chemical identity

Material	Substance definition	Identification number	Amount weight (%)	Classification and labelling (Regulation (EC) No 1272/2008)
Mineral Wool	Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the nota Q conditions	Reg Number : 01-2119472313-44 EC Number : 926-099-9	90-98,5%	Not classified
Termopolymer binder	-	-	1,5-10%	Not classified
oil	-	-	0-0,5%	Not classified
Possible facing material: glass mat or polyester mat or aluminium	-	-	-	Not classified

## 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Remove from exposure. Rinse the throat and blow nose to clear dust.  
 In case of skin contact: If itching occurs because of mechanical effects of the fibres, remove contaminated clothing and wash skin gently with cold water and soap.  
 In case of eye contact: Rinse abundantly with water for at least 15 minutes.  
 In case of ingestion: Drink plenty of water if accidentally ingested.

If first aid measures don't produce relief or discomfort continues, call on medical advice.

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

Mineral wool products may cause temporary itching/inconvenience on skin, eyes or mouth due to the well-known mechanical effect of coarse fibers.

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

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

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### 5: Firefighting measures

#### 5.1 Extinguishing media:

Suitable extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.  
Products do not pose a fire hazard in use; however, some packaging materials or facings may be combustible. In large fires in poorly ventilated areas or involving packaging materials respiratory protection / breathing apparatus may be required.

Unsuitable extinguishing media: None

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

Hazardous combustion products: Products of combustion from product and packaging - carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances.

#### 5.3 Advice for fire-fighters

The unfaced products are non combustible, some packaging materials or facings may however be combustible.

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### 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:

Not relevant

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

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

#### 6.4 Reference to other sections

See section 8

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### 7: Handling and storage

#### 7.1 Precautions for safe handling

Technical measures: no specific measure. Use preferably a knife. If a power tool, it must be equipped with efficient air suction.

- Precautions: Ensure adequate ventilation of workplace. See section 8

- Safe handling advice: Avoid unnecessary handling of unwrapped product. See section 8

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Advice on general occupational hygiene:

not to eat, drink and smoke in work areas; to wash hands after use; and to remove contaminated clothing and protective equipment before entering eating areas.

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

Technical measures:	No specific measure, palletised products should be stored in accordance with Saint-Gobain Construction Products Polska guidance sheet and site specific risk assessment
Suitable storage condition:	Store products removed from pallet and packaging or loose unpalletised product, in a dry location. Materials without packaging should always be stored dry
Incompatible materials:	none
Packaging material:	delivered packed in polyethylene film or cardboard on wooden pallet

### 7.3 Specific end uses:

Not relevant.

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## 8: **Exposure controls/personal protection**

### 8.1 Control parameters

No specific limit values given in the EU. Please respect your national laws and regulations.

### 8.2 Exposure controls

No specific requirements

Personal protective equipment:

Respiratory protection:	When working in unventilated area or during operations which can generate emission of any dust, wear disposable face mask. Type in accordance with EN 149 FFP1 is recommended.
Hand protection:	Gloves to avoid itching in conformity with EN 388.
Eyes 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.

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The following sentence and pictograms are printed on packaging:

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



Ventilate working area if possible



Waste should be disposed  
of according to local regulations



Cover exposed skin.  
When working in unventilated area  
wear disposable face mask



Clean area using vacuum equipment



Wear goggles when working overhead



Rinse in cold water before washing

**9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Appearance:	Solid in form of roll or panel.
Colour:	Yellow/light brown
Odour:	Light odour may occur
Odour threshold:	not applicable
pH:	not applicable
Initial boiling point and boiling range:	not relevant
Flash point:	not relevant
Evaporation rate:	not relevant
Flammability (solid, gas):	not relevant
Explosive limits:	not relevant
Vapour pressure:	not relevant
Vapour density:	not relevant
Relative density:	from 9 to 125 kg/m <sup>3</sup>
Water solubility:	generally chemically inert and insoluble in water
Partition coefficient: n-octanol/water:	Not relevant
Auto-ignition temperature:	not relevant
Decomposition temperature:	not relevant

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Viscosity: not relevant  
Explosive properties: not relevant  
Oxidising properties: not relevant

### 9.2 Other information:

Approximate Length weight geometric mean diameter of fibres: 3 à 5 µm  
Length weight geometric mean diameter less 2 standard errors\*: < 6 µm

Orientation of fibres : random  
\*: CLP Regulation (EC) No 1272/2008, note R

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## 10: **Stability and reactivity**

### 10.1 Reactivity

Stable in normal conditions of use.

### 10.2 Chemical stability

For building: None in normal condition of use.

For high T uses: With service temperature > 200°C the thermal decomposition of the organic binder starts.

### 10.3 Possibility of hazardous reactions

None under recommended use.

### 10.4 Conditions to avoid:

For both – building and high T - applications use specific designed products.

### 10.5 Incompatible materials:

None

### 10.6 Hazardous decomposition products:

None up to service temperatures < 150°C, Above the decomposition products are those that would be expected from pyrolysis or burning of any organic material (amongst others CO<sub>2</sub>, water, ...).

The duration and amount of release is dependant upon the thickness of the insulation, binder content and the temperature applied. During first heating, good ventilation or appropriate personal protection equipment are required.

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## 11: **Toxicological information**

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### 11.1 Information on toxicological effects

The mechanical effect of fibres in contact with the skin and eye can cause a temporary itching.

### 11.2 Carcinogenic effect:

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

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## 12: Ecological information

This product is not expected to causes harm to animals or plants during normal conditions of use.

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## 13: Disposal considerations

### 13.1 Waste treatment methods

Remove and dispose in accordance with local regulations and procedures.  
Code from European Waste Catalogue: 17 06 04

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## 14: Transport information

No specific regulations. Mineral wool products have no constraint related to rules of transport of hazardous substances.

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## 15: Regulatory information

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

The CLP regulation (EC) No 1272/2008 concerning the classification, labelling and packaging of the substance and the mixtures does not classify mineral wool - glass fibres - as hazardous, if they are in compliance with the note Q exoneration of this Regulation. The CLP regulation is the European implementation of the international Globally Harmonized System ("GHS")

The note Q specifies that classification as suspected carcinogen category 2 does not apply if:

- a short-term biopersistence test by inhalation has shown that fibres longer than 20µm have a weight half life less than 10 days, or
- a short-term biopersistence test intra-tracheal instillation has shown 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.

### 15.2 Chemical Safety Assessment:

No assessment required.

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The European Union regulation on classification, labelling and packaging of substances and mixtures - (EC) No 1272/2008- defines in the Note Q exoneration criteria for mineral wool fibres, so that the classification as a carcinogen does not apply.

All products manufactured by Saint-Gobain Construction Products Polska Sp. z o.o. are made of non-classified fibres and are certified by EUCEB.

EUCEB stands for the European Certification Board for Mineral Wool Products - [www.euceb.org](http://www.euceb.org), a non-profit association, whose general purpose is to voluntarily certify the conformity of mineral wool fibres with Note Q of Regulation (EC) No 1272/2008. The EUCEB association was created to ensure the customers and consumers that a EUCEB certified mineral wool product complies with the Note Q exoneration criteria.

The EUCEB certification stands for proven and reliable quality according to a precisely defined system of monitoring and controls. It is a confirmation for a high quality of products, which are manufactured in accordance with the requirements laid down in the EUCEB-constitution.

As a result, the customers and consumers of mineral wool products are given a tool with a high value of recognition. A Trademark which may be placed on the packaging of mineral wool products and is, thus, visible at a single glance.



EUCEB is an ISO 9001:2000 certified association.

Moreover, 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, man-made vitreous fibres <http://monographs.iarc.fr/>)

On 22 March 2006, the EU Technical Committee in Classification and Labelling of Dangerous Substances decided to delete the "irritant" classification. That decision was published with the Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, CLP Regulation (EC) No 1272/2008.

Person who wish to obtain more detailed information have to contact the producer (address on the first page of this sheet).

Information given in this document is on the state of our knowledge regarding this material as of date. It is given in good faith.

The attention of users is drawn to possible risks taken when the product is used for other application than the ones it has been designed for.