

## Safety use instruction sheet

### 1. Company and product identification

#### 1.1 Product:

ISOVER Glass wool rolls, slabs and board products and Granulate

#### 1.2 Field of application:

Thermal, sound and fire insulation

#### 1.3 Supplier:

Saint-Gobain Denmark A/S ISOVER  
Østermarksvej 4  
DK-6580 Vamdrup

Phone: +45 72 17 17 17

Home page: [www.isover.dk](http://www.isover.dk)

Contact and E-mail: [isover@isover.dk](mailto:isover@isover.dk)

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Replaces: 2012.12.04

Elaborated by Hanne Antonsen

#### 1.4 Emergency phone number: +45 82 12 12 12

### 2. Hazard identification

ISOVER glass wool is not classified as dangerous.

#### 2.1 Most important hazards:

There is no statement associated with this product

#### 2.2 Specific hazard:

None according to REACH and CLP

### 3. Composition/information on ingredients

#### 3.1 Substances:

|           |                   |        |
|-----------|-------------------|--------|
| Substance | Glass wool fibres | Binder |
|-----------|-------------------|--------|

|  |                       |                |
|--|-----------------------|----------------|
| Registration number  | 01-2119472313-44-0039 |                |
| Amount weight  | 92 – 100 %            | ≤ 8 %          |
| Classification and labelling (Regulation (EC) no. 1272/2008) | Not classified        | Not classified |
| Classification and labelling (European directive 67/548/EEC) | Not classified        | Not classified |

ISOVER glass wool consists of biosoluble-fibres. The fibres meet the requirement in nota Q (see point 15)

The glass wool fibres are bonded with thermosetting resin and added oil for dust binding, in addition the binder has been modified with organic starch or thermo set inert polymer bonding agent derived from plant starch.

**Possible facing materials:** Glass mat, aluminium or Kraft paper.

#### 4. First aid measures

##### 4.1 Description of first aid measures:

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

**Ingestion:** Rinse the mouth and drink plenty of water.

**Skin contact:** If itching occurs because of mechanical effects of the fibres, remove contaminated clothing and wash skin gently with cold water before washing with soap and water.

**Eyes contact:** If eye irritation avoid rubbing and rinse abundantly with water for at least until the irritation is gone.

##### 4.2 Important symptoms and effects:

Skin contact may cause short-term itching.

##### 4.3

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

#### 5. Firefighting measures

ISOVER Glass wool is non combustible

Packaging materials or facings may be combustible.

##### 5.1 Suitable extinguishing media:

Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

ISOVER Glass wool is non combustible

Packaging materials or facings may be combustible.

### **5.2 Product of combustion:**

Carbon dioxide, carbon oxide, water and some trace gases.

### **5.3 Instruction for fire firefighters:**

Normal provision in case of fire.

## **6. Accident release measures**

### **6.1 Personal equipment, 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 protection:**

Not relevant

### **6.3 Method for cleaning up:**

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

### **6.4 Reference to other points:**

See point 13 for disposal.

## **7. Handling and storage**

### **7.1 Precaution for safety handling:**

Unpack ISOVER glass wool on a hard place immediately before use.

Avoid unnecessary handling of unwrapped product

If cutting material use sharp hand tools and avoid power tools.

Keep work areas clean.

Ensure adequate ventilation of workplace.

Use water spray to dampen area prior to sweeping or use vacuum cleaner

### **7.2 Storage:**

Store in original packaging in a dry location.

Packaging material: Delivered packed in polyethylene film, or cardboard and/or wooden pallet

## 8. Exposure control/personal protection

### 8.1 Control parameter:

#### Occupational Exposure Limits

WEL (Work Exposure Limits) – 5 mg/m<sup>3</sup> 8-hour TWA (gravimetric) and in Denmark 1 fiber/ml (respirable)

### 8.2 Exposure control:

No specific requirements.

#### Individual protection equipment's

**Respiratory protection:** When working in unventilated area or during operation which can generate emission of any dust, wear disposable face mask. Type P2 in accordance with EN 149:2001 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 with dust rejected clothing at especially dusty work.

**Hygiene measures:** Rinse in cold water before washing

#### The following sentence and pictograms are printed on packaging

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



Cover exposed skin when working in unventilated area wear disposable face mask



Rinse in cold water before washing



Clean area using vacuum equipment



Ventilate working area if possible



Waste should be disposed of according to local regulations



Wear goggles when working overhead

## 9. Physical and chemical properties

### 9.1 Physical state:

|                |                        |
|----------------|------------------------|
| Physical state | Solid                  |
| Form           | Roll or panel          |
| Odour          | Slight odour may occur |

|                      |  |
|----------------------|--|
| Colour               | Yellow   |
| pH                   | -  |
| Melt point           | 650 °C   |
| Boiling point        | -  |
| Flash point          | -  |
| Flammability         | -  |
| Explosive properties | -  |
| Density              | From 10 to 150 kg/m <sup>3</sup>                   |
| Water solubility     | Generally chemically inert and insoluble in water. |

## 9.2 Other information:

|                   |                |
|-------------------|----------------|
| Fat solubility    | Not applicable |
| Fibre orientation | Random         |

Approximate Length weighted geometric mean diameter of fibres: 3 à 5 µm

Length weighted geometric mean diameter less 2 standard errors\*: < 6 µm

\*: Regulation (EC) 1272/2008, note R

## 10. Stability and reactivity

### 10.1 Reactivity:

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### 10.2 Stability:

Stable in normal conditions of use

### 10.3 Dangerous reactions:

None in normal conditions of use

### 10.4 Condition to avoid:

None known

### 10.5 Materials to avoid

None known

## **10.6. Hazardous decomposition products:**

None known

## **11. Toxicological information**

### **11.1. Acute effect:**

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

Contact with eyes, mucous membrane, nose and airways can cause short discomfort

## **12. Ecological information**

### **12.1. Toxicity:**

This product is without known hazardous environment effect on humans, animals or plants during normal conditions of use.

## **13. Disposal considerations**

### **13.1. Treatment of waste:**

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

### **Code from European Waste Catalogue:**

EAK code: 17 06 04

**Packaging:** Dispose of in accordance with local regulations.

## **14. Transport information**

### **14.1. – 14.4.**

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### **14.5. Environment dangerous:**

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### **14.6. Specific precautionary principle for user:**

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### **14.7. Bulk transport according to appendix II in MARPOL 73/78 and IBC code:**

Not relevant.

## **15. Regulatory information**

### **15.1 Specific requirements for ISOVER Glass Wool according to safety, health and environment:**

#### **The European requirement no. 1272/2008 concerning the classification, labelling and packaging (CLP):**

The glass fibres meet the requirement in directive 97/69/EC note Q and are not classified as hazardous substances.

Mineral wool (glass, stone and slag wool) are not classified under the European Regulation on classification, labelling and packaging of substances and mixtures ("CLP" Regulation – Regulation EC n° 1272/2008) which is the European implementation of the international Globally Harmonized System ("GHS")

## **16. Other information**

The glass wool fibres of this product are exonerated from the carcinogenic classification according to the European directive 97/69/CE and the Regulation (EC) 1272/2008 as they fulfil the criteria of the nota Q.

All products manufactured by Saint-Gobain Denmark A/S ISOVER are made of bio-soluble fibres and are third party certified by EUCEB.

EUCEB, European Certification Board of Mineral Wool Products - [www.euceb.org](http://www.euceb.org), 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.

To ensure that fibres comply with the exoneration criteria all tests and supervision procedures are carried out by independent, expert qualified institutions. EUCEB ensures that the producers of mineral wool have put in place self-control measures.

The mineral wool producers commit to EUCEB to:

- supply sampling and analysis reports established by laboratories recognized by EUCEB, proving that the fibres comply with one of the four criteria of exoneration described in Note Q of the Directive 97/99/EC,
- be controlled, twice per year, of each production unit by an independent third party recognized by EUCEB (sampling and conformity to the initial chemical composition),
- put in place procedures of internal self-control in each production unit.

The products responding to the EUCEB certification are recognized by the EUCEB logo put on the packaging.



EUCESB 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».

*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 October 20<sup>th</sup>, 2017.*

*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.*