

## Safe Use Instruction Sheet \*

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

#### 1.1. Product identifier

ISOVER needle felt\*\*

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

Recommended use:  
Thermal and acoustic insulation.

#### 1.3. Details of the supplier of the Safe Use Instruction Sheet

SAINT-GOBAIN ISOVER G+H AG  
Bürgermeister-Grünzweig-Straße 1  
D - 67059 Ludwigshafen/Rhein  
Telefon: ++49 (0)621 501 2096  
Telefax: ++49 (0)621 501 201  
E-Mail: dialog@isover.de

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### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

**No hazards are associated with ISOVER Needle felt.**  
Nevertheless, please observe the information given in this safe use instructions sheet.

#### 2.2. Label elements

**According to Regulation (EC) No 1272/2008 no hazard labelling is required.**

#### 2.3. Other hazards

Dust:  
Mineral wool products may cause temporary skin itching due to the well-known mechanical effect of coarse fibers. For the handling of ISOVER needle felt products we recommend to follow the instructions of sections 7 + 8.

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### 3. Composition / information on ingredients

\* In Consideration of Commission Regulation (EU) 2015/830. Safety data sheets are mandatory only for dangerous substances and mixtures. ISOVER needle felt products are NOT dangerous.

\*\* This safe use instruction sheet covers only needle felt manufactured by Saint-Gobain ISOVER G+H AG.

# Produktinformationen und Verarbeitungshinweise

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## Chemical identity

| Substance  | C.A.S. Number (EC-Number) | REACH Reg.Nr.:        | Amount weight (%) | Classification and labelling (Regulation (EG) 1272/2008) |
|--|---------------------------|-----------------------|-------------------|--|
| Man-made vitreous (silicate) fibers with random orientation with alkaline and alkali earth oxides (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. * | -<br>(926-099-9)          | 01-2119472313-44-0035 | > 99 %            | Not classified   |

\* ISOVER needle felt products are also exonerated from German laws Chemikalienverbotsverordnung (Annex I, chapter 23) and Gefahrstoffverordnung (Annex II, Nr.5).  
Dependent on application ISOVER needle felt products may contain small quantities of water-repellent additives, coupling agent, adhesive and / or facing.

## 4. First aid measures

### 4.1. Description of first aid measures

In case of inhalation: Remove from exposure and provide for fresh air. Rinse throat and blow nose to clear dust.  
In case of skin contact: Wash skin gently with cold water and soap.  
In case of eye contact: Do not rub eyes, rinse gently and abundantly with water, if necessary, call on medical advice.  
In case of ingestion: Drink plenty of water.

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 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

None required. If first aid measures don't produce relief or discomfort continues, call on medical advice.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>) and dry powder  
Unsuitable extinguishing media: None.

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

None.

### 5.3. Advice for firefighters

The products are non-combustible. The packaging materials are combustible. In large fires adapt the respiratory protection / breathing apparatus to the surroundings.

## 6. Accidental release measures

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

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

### 6.2. Environmental precautions

None.

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

Put bigger pieces in suitable plastic bags by hand. For small quantities and dust use a suitable vacuum cleaner or sweep up after water spray.

### 6.4. Reference to other sections

Personal precautions: Section 8.  
Disposal: Section 13.

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## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid unnecessary handling of unwrapped product. Use preferably a knife for cutting. If a power tool is used, it must be equipped with efficient air suction. Ensure adequate ventilation of workplace. See also section 8.  
Do not eat or drink in work areas.  
In case of sensible skin use protective cream after cleaning.

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

Storage conditions: Store in original packaging; keep dry and protected against mechanical damage. FIFO method is recommended.  
Incompatible materials: None  
Packaging: Products are packed in polyethylene film and / or cardboard on wooden, metal or plastic pallets.

### 7.3. Specific end use

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.  
Germany:  
Common occupational exposure limit for dust (TRGS 900):  
1,25 mg/m<sup>3</sup>, alveolar  
10 mg/m<sup>3</sup>, respirable

### 8.2. Exposure controls

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|                         |   |
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| Eye protection:         | Wear goggles when working overhead. Eye protection to EN 166 is recommended.  |
| Skin protection:        | Cover exposed skin. When working in unventilated area wear disposable face mask. Use gloves (acc. EN 388) to avoid itching.                     |
| Respiratory protection: | When working in unventilated area or during operations which can generate emission of any dust, wear a disposable face mask (FFP1 acc. EN 149). |

## 8.3. Additional informations

The following informations are printed on the packaging of the ISOVER needle felt products:

"Durch Mineralfasern können vorübergehende, kurzzeitige Einwirkungen auf die Haut verursacht werden." / "The mechanical effect of fibres in contact with skin may cause temporary itching"



Wenn möglich,  
Arbeitsbereich lüften. /  
Ventilate working area  
if possible.



Unbedeckte  
Hautpartien schützen.  
In unbelüfteten  
Räumen Einwegmaske  
tragen. / Cover  
exposed skin. When  
working in unventilated  
area wear disposable  
face mask.



Bei Überkopfarbeiten  
Schutzbrille tragen. /  
Wear goggles when  
working overhead.



Abfälle nach den  
örtlichen  
Bestimmungen  
entsorgen. / Waste  
should be disposed of  
according to local  
regulations.



Arbeitsbereich mit  
Staubsauger reinigen.  
/ Clean area using  
vacuum equipment.



Hände vor dem  
Waschen mit kaltem  
Wasser abspülen. /  
Rinse in cold water  
before washing.

## 9. Physical and chemical properties

### 9.1. Allgemeine Angaben

|                  |  |
|------------------|--|
| Appearance:      | Elastic body in different shapes, preferably as batts, slabs or rolls. |
| Physical state:  | Solid  |
| Colour:          | White  |
| Odour:           | Odourless  |
| Odour threshold: | Not applicable   |
| pH:              | Not applicable   |

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|                            |   |
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| Melting point:             | Not applicable<br>For long-lasting service at higher temperatures please consider the maximum service temperature of each individual product acc. EN 14303. |
| Initial boiling point:     | Not applicable  |
| Flash point:               | Not applicable  |
| Evaporation rate:          | Not applicable  |
| Flammability:              | ISOVER needle felt is non-combustible acc. EN 13 501 and / or DIN 4102-1, class A1.   |
| Vapour pressure:           | Not applicable  |
| Relative Density:          | 20 – 100 kg/m <sup>3</sup>  |
| Solubility (water):        | Insoluble   |
| Auto-ignition temperature: | Not applicable  |
| Decomposition temperature: | Not applicable  |
| Viscosity:                 | Not applicable  |
| Explosive properties:      | Not applicable  |
| Oxidising properties:      | Not applicable  |

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## 10. Stability and reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

None under recommended use.

### 10.4. Conditions to avoid:

Consider the regulations and standards for high temperature use.

### 10.5. Incompatible materials

None

### 10.6. Hazardous decomposition products

None

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## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity: None

Skin corrosion/irritation;  
serious eye damage/irritation;  
respiratory or skin sensitization:

None.

Mechanical effects on skin, eyes and upper respiratory system (mucous membranes) like itching may occur due to coarse fibres; such symptoms are reversible and temporary.

Germ cell mutagenicity:; None

Carcinogenicity: None. ISOVER needle felt is exonerated according to German laws

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Chemikalien-Verbots-Verordnung (Anhang I, Abschnitt 23) and Gefahrstoff-Verordnung (Anhang II, Nr.5) and european Regulation (EC) No 1272/2008 (Annex VI, Nota Q).

The compliance with the exoneration criteria is checked regular by Gütegemeinschaft Mineralwolle (RAL Mineralwolle) and by EUCEB (European Certification Board for Mineral Wool Products) (see section 16.).

Reproductive toxicity;: None  
STOT-single exposure: None  
STOT-repeated exposure: None  
Aspiration hazard: None

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## 12. Ecological information

### 12.1. Toxicity:

None

### 12.2. Persistence and degradability

Inert

### 12.3. Bioaccumulative potencial

None

### 12.4. Mobility in soil

None

### 12.5. Results of PBT- and vPvB-assessment

No assessment required.

### 12.6. Other adverse effects

None

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## 13. Disposal considerations

### 13.1. Waste treatment methods

Needle felt: Remove and dispose in accordance with local regulations and procedures.  
Code from the list of waste: 17 06 04, „insulation materials other than those mentioned in 17 06 01 and 17 06 03“ (Commission decision 2014/955/EU)  
Packaging: Germany: For professionals the disposal is done by “INTERSEROH Dienstleistungs GmbH”. For households the disposal is done by „Der Grüne Punkt – Duales System Deutschland GmbH“.

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## 14. Transport information

### 14.1. UN-Nummer

None

### 14.2. UN proper shipping name

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None

## **14.3. Transport hazard classes**

None

## **14.4. Packing group**

None

## **14.5. Environmental hazards**

None

## **14.6. Special precautions for user**

None

## **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

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# **15. Regulatory information**

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

ISOVER needle felt products are articles (REACH, Regulation (EC) No 1907/2006). All components are not classified nor have to be labelled (CLP, regulation (EC) No 1272/2008).

So there is no legal enforcement for a material safety data sheet. Although ISOVER uses this format to provide standardized informations.

German water hazard class (Wassergefährdungsklasse):

Not water-endangering (nicht wassergefährdend) (acc. annex 1, No 1.2a VwVwS issued 27.07.2005).

## **15.2. Chemical safety assessment**

No assessment required.

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# **16. Other information**

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To ensure that ISOVER needle felt products comply with the exoneration criteria all tests and supervision procedures are carried out by independent, expert qualified institutions.



The sign / certificate of „GGM“ (Gütegemeinschaft Mineralwolle e.V.; <http://www.ral-mineralwolle.de>) identifies the compliance with german laws.



The sign / certificate of “EUCEB“ (European Certification Board for Mineral Wool Products; <http://www.euceb.org>) identifies the compliance with european regulations.

ISOVER glass wool / stone wool / ULTIMATE is certified by both boards under glass wool P.

For use and handling of ISOVER needle felt products manufactured before 01.01.1996 please consider “Technischen Regeln für Gefahrstoffe 521” issued by „Ausschuss für Gefahrstoffe“ February 2008 and “Handlungsanleitung: Umgang mit Mineralwolle-Dämmstoffen (Glaswolle, Steinwolle)” issued by “BG Bau” April 2015.

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This Safe Use Instruction Sheet is based on our current knowledge at the date of issue and is supposed to describe ISOVER needle felt insulation products (all types) with regard to safety requirements. It is not meant to guaranty with a legally binding effect the presence/absence of certain properties.