



Sustainable insulation solutions

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 20-Jan-2021

Revision Date 20-Jan-2021

Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name ISOVER Comfort Panel

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

Recommended use Mineral wool for thermal, acoustic and fire protection insulation

Uses advised against No specific uses advised against are identified

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

#### Supplier

Saint-Gobain Construction Products (Ireland) Limited  
Unit 4 Kilcarbery Business Park  
Nangor Road  
Dublin 22  
D22 R2Y7  
Ireland  
Tel: +353 (0)1 629 8444

#### For further information, please contact

E-mail address info@isover.ie

### 1.4. Emergency telephone number

Emergency telephone ROI: 1800 744480  
NI: 0845 3990159  
(Monday - Friday, 9am - 5pm)  
  
Europe emergency contact number: 112

Emergency telephone - §45 - (EC)1272/2008
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Europe	112
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

#### Hazard statements

Not classified

#### Additional information

As supplied, this product does not meet the requirements for labelling

**2.3. Other hazards**

May cause temporary skin irritation by mechanical action. Cutting and handling may create dust. Product dust may be irritating to eyes, skin and respiratory system.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

This product is an article: Mineral wool roll/panel.

The fibres meet the requirement in nota Q of Regulation (EC) 1272/2008.

Approximate Length weighted geometric mean diameter of fibres: 3 - 5 µm  
Length weighted geometric mean diameter less 2 standard errors: < 6 µm

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

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Mineral wool -	90 - 100	-	-	Not Classified [C]	-	-	-
Terpolymer binder -	0 - 10	-	-	Not Classified	-	-	-

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

**Full text of H- and EUH-phrases: see section 16****Acute Toxicity Estimate**

No information available

**Additional information**

Note: EU Index Number: 650-016-00-2 [Man-made vitreous (silicate) fibres 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 CLP Regulation Annex VI Note Q conditions].

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice**

Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a doctor.

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<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

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

<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system. May cause temporary skin irritation by mechanical action.
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#### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Note to doctors</b>	Treat symptomatically.
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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Full water jet.

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

<b>Specific hazards arising from the chemical</b>	The product does not pose a fire hazard, however packaging materials and facings may burn.
<b>Hazardous combustion products</b>	Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

#### **5.3. Advice for firefighters**

<b>Specific/special fire-fighting measures</b>	Fires need to be assessed to determine appropriate protocols and safety measures for firefighting, including establishing safe zones, extinguishing media to be used, firefighter protection, and actions to control or extinguish the fire.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Ensure adequate ventilation. Use personal protective equipment as required. Minimise dust generation and accumulation. Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Take up mechanically, placing in appropriate containers for disposal. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid unnecessary handling of unwrapped product. Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. If cutting material, use sharp hand tools and avoid power tools. Wash hands thoroughly after handling.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs.

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

<b>Storage Conditions</b>	Keep/store only in original container. Keep in a dry, cool and well-ventilated place.
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**7.3. Specific end use(s)****Specific use(s).**

The identified uses for this product are detailed in Section 1.2

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Mineral wool -	-	-	-	TWA: 6.0 mg/m <sup>3</sup> TWA: 1.0 fiber/cm <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 2 fiber/cm <sup>3</sup>
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Mineral wool -	TWA: 1 fibre/cm <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 3 fibre/cm <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	-	-	TWA: 3 fiber/cm <sup>3</sup> air	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Mineral wool -	-	-	-	-	TWA: 1 fiber/cm <sup>3</sup>
Chemical name	Sweden		Switzerland		United Kingdom
Mineral wool -	-		-		TWA: 2 fibre/mL TWA: 5 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering controls** As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Provide extract ventilation at the points where emissions occur. Ensure the ventilation system is regularly maintained and tested.

### **Personal protective equipment**

**Eye/face protection** If working with products above head height or in restricted space: Safety glasses with side shields. Eye protection must conform to standard EN 166.

**Hand protection** Wear suitable gloves to avoid itching. Gloves must conform to standard EN 374.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Fresh air mask should be used if there is no ventilation and personal presence is necessary when products are heated above approximately 150 °C for the first time.

FFP1 or FFP2.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs.

**Environmental exposure controls** Avoid creating dust.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Panel
<b>Physical state</b>	Solid
<b>Colour</b>	Yellow
<b>Odour</b>	Slight
<b>Odour threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known

Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	Insoluble in water (<0.1 mg/L)	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

## 9.2. Other information

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

Not applicable

### 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity None under normal use conditions.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Excessive heat.

### 10.5. Incompatible materials

Incompatible materials None known based on information supplied.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Decomposition of binder at around 200°C produces carbon dioxide and some trace gases. The duration and amount of release is dependant upon the thickness of the insulation, binder content and the temperature applied.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May cause irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system. Fibres may cause mechanical irritation.
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**Numerical measures of toxicity**

Based on available data, the classification criteria are not met

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Component Information	
Mineral wool (-)	
Method	OECD Test No. 404: Acute Dermal Irritation/Corrosion
Results	non-irritant

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

Component Information	
Mineral wool (-)	
Results	non-irritant

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

Component Information	
Mineral wool (-)	
Results	Not a skin sensitiser

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met. Note: EU Index Number: 650-016-00-2 [Man-made vitreous (silicate) fibres 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 CLP Regulation Annex VI Note Q conditions].

Component Information	
Mineral wool (-)	
Results	Not Carcinogenic

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Not applicable.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

**Ecotoxicity** Not considered to be harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral wool	EC50: >1000 mg/L (3d, Pseudokirchneriella subcapitata)	LC50: >1000 mg/L (96h, Danio rerio)	-	EC50: >1000 mg/L (3d, Daphnia magna)

### 12.2. Persistence and degradability

**Persistence and degradability** The methods for determining biodegradability are not applicable to inorganic substances.

### 12.3. Bioaccumulative potential

**Bioaccumulation** Not likely to bioaccumulate.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

**Mobility** Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Mineral wool	The substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.



**12.7. Other adverse effects**

Other adverse effects                      None known based on information supplied.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.
<b>Waste codes / waste designations according to EWC / AVV</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**SECTION 14: Transport information****IMDG**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
Marine pollutant	Not applicable
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	None

**ADR**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	None

**IATA**

<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special Precautions for Users</b>	

**Special Provisions** None  
**Note:** None

## SECTION 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### **Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### **Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AICS</b>	Contact supplier for inventory compliance status

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

**Chemical Safety Report** Not applicable

## SECTION 16: Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\*

Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

**Issuing Date** 20-Jan-2021**Revision Date** 20-Jan-2021**Revision Note** Initial Release.**Further information**

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

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

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 Regulation (EC) 1272/2008
- 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.

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, <http://monographs.iarc.fr/>)

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**