



Safe Use Instruction Sheet *

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

1.1. Product identifier

ISOVER Glass Cloth G120, G220, G420

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

Recommended use:
Facing of mineral wool.

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
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2. Hazards identification

2.1. Classification of the substance or mixture

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

2.3. Other hazards

The inhalation of dust and fibers may cause short-term irritation of the mouth, nose and throat. Eye contact with dust and fibers may cause short-term mechanical irritation. Skin contact with dust and fibers may cause itching and short-term irritations. For the handling of ISOVER glass cloth products we recommend to follow the instructions of sections 7 + 8.

3. Composition / information on ingredients

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Products made from continuous filament glass fibres with a nominal diameter of 5 µm or above. The clothes contain a maximum of 6% textile finish based on starch, PVA and Polyvinylacetate. They do not contain SVHC-compounds of the ECHA-List (Article 57) in a concentration > 0.1% by weight and do not contain heavy metals, PBB / PBDE or PCB. They do not liberate chemicals.

Chemical identity

Substance	C.A.S. Number (EC-Number)	REACH Reg.Nr.:	Amount weight (%)	Classification and labelling (Regulation (EG) 1272/2008)
Fibrous glass, E-glass	65997-17-3	-	> 94 %	Not classified
Finish	-	-	< 6 %	Not classified

4. First aid measures

4.1. Description of first aid measures

When handled as intended, first aid measures are not necessary.

In case of inhalation: Remove from exposure and provide for fresh air. Rinse mouth, throat and nose to clear dust.

In case of skin contact: Wash skin gently with cold water and soap. To avoid further irritation, do not rub or scratch affected areas. Rubbing and scratching may force fibers into skin.

In case of eye contact: Do not rub eyes, rinse gently and abundantly with water, if necessary call on medical advice.

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

Loose fibers 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 (CO₂) and dry powder
Unsuitable extinguishing media: None.

5.2. Special hazards arising from the substance or mixture

None.

5.3. Advice for firefighters

The clothes are low-flame-spread acc. IMO-FTP-Code. The packaging materials are combustible. In large fires adapt the respiratory protection / breathing apparatus to the surroundings.

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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.

7. Handling and storage

7.1. Precautions for safe handling

If a power tool is used, it must be equipped with efficient air suction. Ensure adequate ventilation of workplace.
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: Keep dry and protected against mechanical damage. Do not stack unsecured.
Incompatible materials: None

7.3. Specific end use

Not relevant.

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/m³, alveolar
10 mg/m³, respirable

8.2. Exposure controls

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

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Respiratory protection: face mask. Use gloves (acc. EN 388) to avoid itching.
When working in unventilated area or during operations which can generate emission of any dust, wear a disposable face mask (FFP1 acc. EN 149).
When the clothes are heated above 150°C the thermal decomposition of the organic binder starts. Local ventilation should be provided, if needed wear breathing apparatus. Depending on the service temperature and the installation situation the release of the thermal decomposition gases ends within a few hours /days.

8.3. Additional informations

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Flat fabric
Physical state:	Solid
Colour:	White or black
Odour:	Odourless
Odour threshold:	Not applicable
pH:	Not applicable
Melting point:	ca. 1250°C
Softening point:	ca. 840°C
Initial boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Low-flame-spread.
Vapour pressure:	Not applicable
Relative Density:	2,6 g/cm ³
Solubility (water):	Insoluble
Auto-ignition temperature:	Not applicable
Decomposition temperature:	With service temperatures >150 °C the thermal decomposition of the organic binder starts. The glass fibers themselves are stable to higher temperatures (see melting point).
Viscosity:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

10. Stability and reactivity

10.1. Reactivity

None

10.2. Chemical stability

Unreactive.
With service temperatures >150 °C the thermal decomposition of the organic binder starts

10.3. Possibility of hazardous reactions

None under intended use.

10.4. Conditions to avoid:

None under intended use.

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10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None up to service temperatures < 150 °C. Above 150°C the decomposition products are those that would be expected from pyrolysis or burning of any organic material (amongst others CO₂, water, ..).

11. Toxicological information

11.1. Information on toxicological effects

The clothes contain no fibers with a diameter below 3 µm and a length greater than 5µm and therefore cannot be inhaled.

Acute toxicity: None

Skin corrosion/irritation;
serious eye damage/irritation;
respiratory or skin sensitization: None.

Germ cell mutagenicity;: None.

Carcinogenicity: None.

Reproductive toxicity;: None.

STOT-single exposure: None

STOT-repeated exposure: None

Aspiration hazard: 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.

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

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None

13. Disposal considerations

13.1. Waste treatment methods

Code from the list of waste: 10 11 03, „waste glass-based fibrous materials“ (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“.

14. Transport information

14.1. UN-Nummer

None

14.2. UN proper shipping name

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

15. Regulatory information

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

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).

ISOVER glass clothes are also exonerated from German laws Chemikalienverbotsverordnung and Gefahrstoffverordnung.

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15.2. Chemical safety assessment

No assessment required.

16. Other information

This Safe Use Instruction Sheet is based on our current knowledge at the date of issue and is supposed to describe ISOVER glass wool 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.