SECTION 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier
Trade name: **Glass wool**

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Thermal insulation for the construction industry: attics/ceilings, walls, masonry walls, frame constructions.

1.3. Details of the supplier of the Safe Use Instruction Sheet
Manufacturer: Saint-Gobain Nordic and Baltic
Robert Jacobsens Vej 62A, 2300 København S - CVR nr. 34892407
E-mail: katarina.edlund@saint-gobain.com

1.4 Emergency telephone number:
European emergency number: 112
Local Poison Information Centres: Denmark +45 82 12 12 12
Finland 0800 147 111 (toll-free), 09 471 977 (standard rate)
Norway 22 59 13 00
Sweden 010-456 67 00

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

The product is an article according to the Regulation (EC) No 1907/2006 (REACH).

The product is not classified according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008 None

Hazard pictograms: None

Signal word: None

Hazard statements (H): None

2.3. Other hazards
In case of direct contact with the eyes, slight irritation, redness and tearing may occur. Skin contact may cause itching, local redness. Inhalation of high concentration vapors may cause fatigue, weakness and drowsiness. After ingestion, damage to the gastrointestinal mucosa, nausea, vomiting and diarrhea may occur.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
Product based on glass wool.

Ingredient name	Cas number/ EC number	% weight	Classification	Comments
Glass fiber	EC: 926-099-9	>80	None	Note Q applies
Bakelite	CAS: 25104-55-6	<10	None	
Paraffin oil	EC: 232-384-2	<1	None	

The product contains a binder in a polymerized form. Binder solids content in the product: ≤ 2%
SVHC substances: None.
PBT or vPvB substances: None.
Substances in nanoform form: None.
Substances with endocrine disrupting properties: None

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations:
Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this safe use instruction sheet.
Eye contact:
Rinse cautiously with water (at 20-30°C) for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a doctor if irritation persists.
Skin contact:
If itching occurs, remove contaminated clothing and wash skin gently with cold water and soap.
Inhalation:
Remove from exposure. Rinse the throat and blow nose to clear dust. If symptoms persist consult a doctor.
Ingestion:
Rinse mouth with water. Do not induce vomiting. Do not give any means orally to an unconscious person without first consulting a doctor. If symptoms persist consult a doctor.

4.2. Main acute and delayed symptoms and effects of exposure.

In contact with the eyes: possible redness, tearing, burning.
In contact with the skin: redness, dryness, cracking of the skin, allergic reaction.
After exposure by inhalation: possible headache and dizziness, feeling drowsy.
When swallowed: abdominal pain, nausea, vomiting, diarrhea.

4.3. Indications for any immediate medical attention and special treatment needed.

Apply symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable: the product is non-flammable – fire in the surroundings should be extinguished with the media suitable for the materials involved in fire.
Inappropriate: do not use a direct water-jet on burning material.

5.2. Special hazards arising from the substance or mixture

Do not inhale fumes and gases generated during a fire. During a fire, carbon monoxide, carbon dioxide and other toxic gases can be formed. Inhalation of dangerous combustion products (pyrolysis) can lead to serious damage to health. See also section 10.

5.3. Advice for firefighters

Follow the procedures applicable to extinguishing chemical fires. Protect from release to a sewage system, surface, ground water and soil. Use self-contained breathing apparatus and a full-body protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale dusts. Use personal protective equipment. Provide adequate ventilation. Keep unprotected persons away. Avoid contact with the eyes and skin.

6.2. Environmental precautions

Protect from release to a sewage system, surface, ground water and soil.

6.3. Methods and materials for containment and cleaning up

Remove product mechanically (e.g. using vacuum) avoiding dust formation, place it in tightly closed containers and deliver to an authorized waste collector. Wash contaminated surface with a large amount of water.
Treat the collected material as waste. Clean and ventilate the contaminated area.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Recommendations for safe handling:

During work, do not eat, drink or smoke. Before the break and after the end of work, wash your hands. Wear appropriate personal protective equipment (see section 8). Contaminated clothing should be removed immediately, cleaned/washed before reuse. Avoid eye and skin contamination. Do not inhale dusts. Ensure adequate ventilation. Keep unused packaging tightly closed. Protect the product from heat and direct sunlight. Work away from sources of fire.

Recommendations for fire and explosion protection:
No specific recommendations.

7.2. Conditions for safe storage, including information on any incompatibilities
Store only in original, tightly closed packages in dry conditions. Protect from heat and direct sunlight.

7.3. Specific end use(s)
According to the technical data sheet of the product.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Substances for which there are workplace exposure limits:

		8-hour work
Sweden	Dust, inorganic Inhalable fraction	5 mg / m^3
	Dust, inorganic Respirable fraction	2,5 mg / m^3
	Glasfibers	1fiber/cm^3
Finland (HTP 8 8)	Dust, inorganic	10 mg/m^3
	Glasfibers	1fiber/cm^3

Biological limit values:
For the substances present in the mixture, hygienic standards in the biological material have not been established.

Recommended monitoring procedures
The mode, type and frequency of tests and measurements should meet the requirements contained in the national Regulations of testing and measurement of factors harmful to health in the work environment.

DNEL and PNEC:
Not specified.

Risk mitigation measures:
Not specified.

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Under production conditions, use adequate general ventilation in the room and local ventilation at the workplace. Do not inhale dust or aerosols. Avoid contact with eyes and skin. Do not eat, drink or smoke during use. In case of insufficient ventilation, use respiratory protection.
In conditions where exposure cannot be eliminated by engineering and technical means or is ineffective, use additional personal protective equipment.

8.2.2. Individual protection measures, such as personal protective equipment

Respiratory protection
Provide adequate ventilation at workstations.
In workplaces with insufficient ventilation, use protective masks protection class P2.

Hand protection
When working with the product, wear appropriate protective gloves with CE marking.
Protective gloves should be adapted to the working conditions, i.e. mechanically resistant in construction works (e.g. coated with nitrile, with cotton inside).

Eye protection
Use eye and face protection in accordance with current applicable standards.
Skin protection
Wear appropriate protective clothing as appropriate when working with the product. It is recommended to use protection in accordance with current applicable standards. Clothing should be washed and maintained regularly.

8.2.3. Environmental exposure controls
Protect from release to a sewage system, surface, ground water and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Physical state:	Solid, granules
b)	Colour:	According to product specification
c)	Odour:	Odourless
d)	Melting point/freezing point:	Not determined
e)	Boiling point or initial boiling point and boiling range:	Not determined
f)	Flammability:	Non-flammable
g)	Lower and upper explosion limits:	Not applicable
h)	Flash point:	Not applicable
i)	Auto-ignition temperature:	Does not auto-ignite
j)	Decomposition temperature:	Not determined
k)	pH:	Not applicable
l)	Kinematic / dynamic viscosity:	Not applicable
m)	Solubility:	Water insoluble
n)	Partition coefficient n-octanol/water (log value):	Not determined
o)	Vapour pressure:	Not determined
p)	Density and/or relative density:	about 25 kg/m^3 ±15%
q)	Relative vapour density:	Not determined
r)	Particle characteristics:	Not determined

9.2. Other information
Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
When according to the identified uses, dangerous reactions are not known.

10.2. Chemical stability
Stable in standard conditions of storage and use.

10.3. Possibility of hazardous reactions
There are no known dangerous reactions.

10.4. Conditions to avoid
Avoid direct sunlight, heat sources and fire.

10.5. Incompatible materials
Not known.

10.6. Hazardous degradation products
Not known at room temperature.

Precautions should be taken when the product comes into contact with hot surfaces. Heating glass wool to a temperature >150°C may lead to a single release of small amounts of vapors and gases from the thermal decomposition of the organic binder (composition typical for the thermal decomposition of organic compounds based on carbon, nitrogen and hydrogen, i.e. mainly carbon oxides with smaller amounts of nitric oxide, formaldehyde, ammonia).
The amount and composition of volatile compounds will depend on several variables including the amount of insulation being installed, operating temperature, temperature gradient, room volume, air circulation, ventilation rate etc.
For this reason, reliable concentrations of volatile compounds in the air must be assessed or, if possible, measured on a case-by-case basis and evaluated depending on your local/national regulation in force.
In any case, as a precautionary measure, we recommend that you implement the following actions within 12 hours following application:
- room ventilation,
- restricting access for third parties,
- use of appropriate respiratory protection and any other appropriate personal protective equipment (see section 8).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

11.2. Information on other hazards

The product does not contain substances with endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Based on the available data, the classification criteria are not met.

12.2. Persistence and degradability
No data available.

12.3. Bioaccumulative potential
No potential for bioaccumulation due to the physico-chemical properties of the product.

12.4. Mobility in soil
No relevant information is available.

12.5. Results of PBT and vPvB assessment
The substances in the product do not meet the PBT and vPvB criteria.

12.6. Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7. Other adverse effects.
No relevant information is available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Handling of waste product:
Dispose of the product in accordance with national and local regulations. Do not allow product to reach ground water, water course or sewage system.
Suggested product waste code: 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03.

Packaging waste handling:
Recovery (recycling) or disposal of packaging waste is carried out in accordance with applicable regulations.
The empty packaging can be recycled.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transportation.

SECTION 15: REGULATORY INFORMATION
The European Regulation on Registration Evaluation and Authorisation of Chemicals (EC) No 1907/2006 (REACH) enforced on June 1st, 2007, requires Safety Data Sheets (SDS) only for specific substances and mixtures as defined in Art. 31. ISOVER products are articles under REACH and therefore, SDS is not legally required. Nevertheless, Saint-Gobain has decided to provide its customers voluntarily with the appropriate information to ensure the safe handling and use of ISOVER products through this voluntary Safe Use Instruction Sheet.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Meaning of the phrases listed in the document:

CAS - number assigned by Chemical Abstracts Service
EC - EC number, i.e. EINECS, ELINCS or NLP, is the official number of the substance in the European Union; the EC number is a seven-digit number with a type structure XXX-XXX-X, starting with 200-001-8 (EINECS), 400-010-9 (ELINCS) and 500-001-0 (NLP)
DNEL - Pderived no-effect exposure level
PNEC - Pno-altered concentration
SVHC – substances of very high concern
vPvB (Substance) Very persistent and very bioaccumulative
PBT (Substance) Persistent, bioaccumulative and toxic