ECOTEX 750 HT

1. COMPANY IDENTIFICATION

INSULCON B.V.
Zilverhoek 4
4651 SP
The Netherlands
Tel. +31 (0)167 565750
Fax +31 (0)167 566263
www.insulcon.com

KERAMAB NV
Belgium
Tel. +32 (0)3 711.02.78
Fax +32 (0)3 711.08.56

INSULCON GMBH
Germany
Tel. +49 (0)2162 249600
Fax +49 (0) 21622496029

Application of the material/ of the formulation: thermal insulation, fire protection, smoke protection, reinforcements

2. Potential Health Effects

Description of the risks:
Loomstate products made of E-Glass are not classified as dangerous. The filaments used are bigger than 3µ m and "irrespirable". It is proved that they do not cause lung cancer.

Additional information on risks for humans and environment:
Fibre glass filament is a mechanical irritant. Breathing dust and fibres may cause short term irritation of the mouth, nose and throat. Skin contact may cause short term mechanical irritation. The finish of silicone dioxide base will not cause any further harm.

3. Composition/ component information

Chemical characteristics:
Base material of E-glass products are E-glass threads of endless filaments and a size.
CAS-no.: 65997-17-3
According to the regulations 67/548/EEC and the American standard TSCA (Toxic Substances Control Act), textile E-glass is not a substance but a product made of E-glass in form of continuous glass fibres and a size.

Dangerous ingredients:

CAS-no.:	component:	hazard code	per cent by weight
65997-17-3	glass fibre	R36/37/38	97,5 - 98 %
Niet not indicated	size	not applied	1 - 1,5 %
7631-86-9	silicone dioxide	R38	< 1%

Materials with prescribed EC limited values: --

LEADER IN HIGH TEMPERATURE SOLUTIONS

SAFETY DATASHEET

4. FIRST AID MEASURES

General information:	Please handle over this MSDS to the doctor in charge.
Inhalation:	Move from scene of exposure, breath fresh air
Skin contact:	Clean with lukewarm water, do not rub, use a adipose cream or emulsion.
Eye contact:	Flush well with running water, do not rub
Information for doctor in charge:	No special measures required.

5. FIRE FIGHTING MEASURES

Applicable extinguishing device:	All common types
Inapplicable extinguishing device:	--
Special hazard caused by the material, formulation, combustion, products or resulting gas:	--
Special protective equipment during the fire-fighting:	--
Additional information:	Glass fibres are not flammable, just the packaging.

6. ACCIDENTAL RELEASE MEASURES

Individual-related precautions	:	Persons susceptible to irritations of the skin should avoid skin contact. Do not rub.
Environmental precautions	:	The products do not release substances or materials which could be harmful to the environment. For this reason they can be handled as general industrial waste.
Cleaning process	:	No special proposals. Avoid dust.
Additional information	:	--

7. HANDLING & STORAGE

Information on safe handling	:	An increase formation of dust should be avoided installation of air exhaust.
Information on fire and explosive protection	:	The material is not flammable, just the Packaging.
Additional information	:	--
Information on the storage	:	The material should be stored in original packaging without direct sunlight.
Demands on storage boxes	:	Recommended temperatures: 10 – 35°C Humidity: 40 – 70 %
Storage classification	:	Not classified

8. EXPOSURE CONTROLS; PERSONAL PROTECTION

Thresholds for exposure at the working place and the biological thresholds:
National and local dust limits have to be taken into consideration. Germany: 6 mg/m³ / OSHA: 15 mg/m³), Non-respirable fibres.

Thresholds of the working place (AWG) Germany:
National dust limit: 6 mg/m³

EU-working place thresholds: --

Limitation and control of the exposure:
No special recommendation under normal conditions. Avoid unnecessary exposures by using adequate local exhaust ventilation.

Personal protective equipment:

Breathing	:	No special precautions. During dusty operations wear paper masks (P1 or P2).
Hands	:	Wear gloves.
Eyes	:	No special precautions. Wear protective glasses especially during over head operations.
Body	:	No special precautions. Loose fitting long sleeved shirt that covers skin.
Information on working hygiene:		No special precautions, use skin cream or ointment.
Environmental protection measures:		--

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Form: solid
Colour: white, green, blue, yellow, black – other colours possible
Odour: none

Safety data:	Explosion hazards:	None
	Lower explosion limit:	--
	Upper explosion limit:	--
	Steam pressure :	None
	Density:	At 20°C: 2,5-2,6 g/m³
	Flow time:	--
	Solubility:	Sizes could be solubilised (up 100%) in most organic solvents.
	pH-value:	None
	Boiling point:	--/ softening point 840°C
	Flame point:	None
	Inflammation point:	--

10. STABILITY AND REACTIVITY

Hazardous reactions	:	Glass filaments do not cause any dangerous reactions.
Hazardous decomposition products	:	Glass: - Size: Beside water vapour possible release of small quantities CO and Nox at continuous combustion.
Thermal decomposition	:	Size > 150°C Organic ingredients of the finish: >200°C

11. TOXICOLOGICAL INFORMATION

Toxicological checking: acute toxicity: none
local impact: irritations (temporarily)
Irritations can affect the skin, eyes and the upper respiratory tracts. Impact will stop after leaving the scene of exposure. According to the 67/548/EEC standard no classification needed, because glass filaments do not need a special code Xi (irritant) according to 97/69/EC standard.

Carcinogenic
The International Agency for Research on Cancer (IARC) in June 1987, categorized fibre glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fibre glass continuous filament as a possible, probable or confirmed cancer causing material.

Products that are chopped, crushed or severely mechanically processed during manufacture or use may contain a very small amount of respirable glass fibre- like fragments. NIOSH defines “respirable fibres” as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of > 5:1 (length-to-width ratio). Products are made of fibres with diameters > 3 microns.

12. ECOLOGICAL INFORMATION

Ecological toxicity: Glass filaments and sizes are not listed as ozone layer-destroying products according to Montreal protocol 1987 (class 1 or 2). These catalogues are an essential part of EC regulation Nr. 3093/94 and the amendment of the “Clean Air Act” of the American Environment Agency (EPA).

Mobility: --

Persistence and degradability: E-glass is not biodegradable. Sizes are organic materials which could only slowly and partially be decomposed in Water. Since the concentration of the components used in the composition and the solubility of the components is very low and is considered as not dangerous, glass yarns do not have any negative Eco toxicologically impacts.

Biological accumulation capability: --
Result of the evaluation of the PBT-properties: --
Further harmful properties: --

13. DISPOSAL CONSIDERATIONS

Material/ formulation: E-Glass products with finish of silicone dioxide base made of continuous or cut glass fibres, conglutinated filaments.

Recommendation: Glass filament disposal can be treated as inactive disposal or as general industrial waste. Melted glass could damage the waste incineration plant.

Waste code according to the list of wastes-regulation(AVV): EAK 101103

Packaging/ polluted packaging: Law for the promotion of the circular flow economy and assurance of the ecological waste disposal. (Closed Substance Cycle Waste Management ActKrW-AbfG from 27.09.1994, revised by law from 12.09.96 (BGBI S. 1354)).

14. TRANSPORT INFORMATION

Road transport

Classification:	Class:	n.a.	no. of hazardous good:	n.a.
	UN-number:	n.a.	classification code:	n.a.

Description of goods:
Source of hazard: E-Glass products with finish of silicone dioxide base are according to the transport regulations no hazardous goods.
Packaging: packaging group: n.a. hazard label: --
Limited quantity:

Sea transport

Classification:	IMDG-Code:	n.a.	EmS:	n.a.
	UN-number:	n.a.	marine pollutant:	n.a.

Description of the goods:
Source of hazard: E-Glass products with finish of silicone dioxide base are according to the transport regulations no hazardous goods.
Packaging: packaging group: n.a. hazard label: --

Air transport

Classification:	Class:	n.a.	UN-number:	n.a.

Description of the goods:
Source of hazard: E-Glass products with finish of silicone dioxide base are according to the transport regulations no hazardous goods.
Packaging: Packaging group: n.a. hazard label: n.a.

15. REGULATORY INFORMATION

Labelling according to EC directive:

Code letter(s) and hazard information of the product: Glass fibre products made of continuous glass filaments with finish of silicone dioxide base do not need to be signed a hazardous goods.

Special labelling regarding hazardous components: --

EU regulations: --

National regulations:

hazard water code: WGK 1 (textile glass fibres are according to attachment 1 of the administration regulation "hazard water code" not hazardous regarding water (code number 765).

Technical instructions (TI-air): --

Statutory order on hazardous incidents (12. BImSchV): --

Statutory order on solvents (31.BImSchV): --

Employment restriction: --

16. FURTHER INFORMATION

According to regulation (EG) no. 1907/2006

Further applicable EU-regulations: --

application restrictions Recommended by the manufacturer: The maximum operation temperature may not be exceeded (see corresponding data sheet / please request if needed).

Hazard codes concerning part 2 and 3: R36/37/38: irritating to eyes, respiratory system and skin.

General information: This MSDS has been made according to the EU-Regulation standard (EG) no. 1907/2006 (REACH). Due to the step by step introduction of REACH and the continuing information along the supply chain it is possible that the data contents of this MSDS will be modified.