1. Identification of substance / preparation and company / enterprise

Commercial name	**Termolan Green**
Application	Thermal, acoustic and/or fire insulation. Compliant with standard EN 13162.
Identification of company or enterprise	**Termolan Srl** - P. IVA 01547890358 Via G. Di Vittorio, 2/4 - 50053 Empoli (FI) T. (+39) 0571 94 601 - F. (+39) 0571 94 60 299 edilizia.termolan.it - info@termolan.it

2. Hazards identification

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the nota Q conditions, are not included in the list of hazardous substances and they are not dangerous for humans or the environment, in the present state of research. Skin contact can cause hypersensitivity reactions.

3. Composition/informations on ingredients

Termolan Green products consist of man-made vitreous (silicate) fibres with random orientation and they are compacted with cured resins and other additives (mineral oil, hydrophobic agent).
Possible facing materials: glass veil, or polyester mat or aluminium or Kraft paper

	Warnings according Annex I, Directive 67/548/EG	Amount weight	Classification and labelling
Man-made vitreous (silicate) fibers with random orientation with alkaline oxide and alkali earth oxide (Na2O + K2O + CaO + MgO + BaO) content greater than 18% by weight.	/	90 - 100	Not necessary according to the Directive 97/69/CE, note Q
Registration number REACH: 01-2119472313-44-0019			
Binder	/	0 - 10	/

4. First aid measures

Inhalation:	Remove from exposure. Rinse the throat and blow nose.
Skin contact:	Wash skin with warm water and soap; If an allergic reaction occurs, consult your doctor.
Eyes contact:	Rinse abundantly with water for at least 15 minutes.
Ingestion:	Drink plenty of water if accidentally ingested.

If any adverse reaction or discomfort continues from any of the above exposures, seek medical professional advice.

5. Firefighting measures

The unfaced products are non combustible, some packaging materials or facings may however be combustible.

Suitable extinguishing media:	Water or other extinguishing substances.
Unsuitable extinguishing media:	None.
Personal protective equipment:	Corresponding to what causes the fire.

6. Accidental release measures

Personal precautions:	Use the same personal protective equipment as mentioned in section 8.
Cleaning methods:	Place in appropriate containers for disposal to prevent dispersion in the air.

7. Handling and Storage

Handling:
Termolan insulation products are not classified as dangerous (see point 2).
It is recommended to follow these guidelines:

- Reduce workplace pollution to a minimum
- Wear work clothing and footwear.
- Use protection creams for sensitive skin.
- Use protective goggles in the dusty places.
- Use protective masks of type FFP1.
- After work, clean the workplace with water.

Storage:
Store products in the original packaging; Open before use.
Store products in dry places.

8. Exposure controls / Personal protection

Exposure Limit Value:
None at European level.

Limit value for dust containing mineral fibers:
TLV-TWA 1,0 F/cm^3 according to the circular of March 15, 2000, n.4, of the Ministry of Health

Individual protection equipments:

Respiratory protection:	When working in unventilated area or during operations which can generate emission of dust. Type in accordance with EN 149 FFP1 is recommended.
Hand protection:	Wear gloves in conformity with EN 388.
Eyes protection:	Wear goggles when working overhead. Eye protection to EN 166 is advised.
Skin protection:	Cover exposed skin with workwear.
Hygiene measures :	Rinse in water after work.

9. Physical and chemical properties

Form:	Roll or panel
Physical state:	Solid
Colour:	Brown light
Odour:	Characteristic odour
pH:	Not applicable
Boiling point:	Not relevant
Melting Point :	> 550°C
Flash point :	Not relevant
Explosive properties:	Not relevant
Vapour pressure:	25°C : 10-3 mbar
Density:	From 10 to 90 kg/m^3
Water Solubility:	25°C with 10-3 g/L
Solubility in oils:	Insoluble
Viscosity:	25°C : 1010 Pa·s

OTHER INFORMATION

Approximate Length weight geometric mean diameter of fibres:	3 to 5 µm
Length weight geometric mean diameter less 2 standard errors*:	< 6 µm
Orientation of fibres:	Random

** Regulation (EC) 1272/2008, nota R*

10. Stability and reactivity

Conditions to avoid:	Binder will start to decompose around 200°C
Incompatible substances:	/
Hazardous decomposition products:	For building: None in normal condition of use. For high T uses: Decomposition of binder 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. During first heating, good ventilation or appropriate personal protection equipment are required.

11. Toxicological information

Acute toxicity:	Not relevant
Carcinogenic effect	Classification not applicable for mineral wools in this product; in accordance with the directive 97/69/EC and European Regulation 1272/2008, nota Q. (See Section 15)
Acute effect:	The mechanical effect of fibers in contact with the skin can cause a temporary itching.

12. Ecological information

This product is not expected to causes harm to animals or plants during normal conditions of use.

13. Disposal considerations

Waste from residue:	Dispose in accordance with regulations and procedures in force in country of use or disposal
Description waste:	Mineral glass wool waste.
Code from European Waste Catalogue:	17 06 04
Dirty packaging:	Dispose in accordance with local regulations.

14. Transport information

International regulations: No specific regulations.

15. Regulatory information

The European directive 97/69/EC replaced by the regulation (EC) n° 1272/2008 concerning the classification, labelling and packaging of the substance and the mixtures does not classify glass fibres as hazardous, if they are in compliance with the note Q of this Regulation.
The note Q specifies that classification as carcinogenic does not apply if:
• a short-term biopersistence test by inhalation has shown that fibres longer than 20µm have a weight half life less than 10 days, or
• a short-term biopersistence test intra-tracheal instillation has shown fibres longer than 20µm have a weighted half life less than 40 days, or
• an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity, or
• a suitable long term inhalation test has shown absence of relevant pathogenicity or neoplastic changes.

16. Other information

Termolan Green glass wool fibres are exonerated from the carcinogenic classification according to the European directive 97/69/CE and the Regulation (EC) 1272/2008 if they fulfil one of the criteria of the nota Q of these texts.

All products manufactured by Termolan are made of non-classified fibres and are certified by EUCEB.

EUCEB, European Certification Board of Mineral Wool Products - 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 Directive 97/69/EC and 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 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 Directive 97/99/EC,
• 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.

EUCEB is an ISO 9001:2000 certified association.

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/)

Person who wish to obtain more detailed information have to contact the producer (address on the first page of this sheet).

Information given in this document is on the state of our knowledge regarding this material as of August 1th, 2016. It is given in good faith.

The attention of user is drawn to possible risks taken when the product is used for applications other than the ones it has been designed for.

The European Regulation (ER) on Chemicals N° 1907/2006 (REACH) enforced on June 1st 2007 requires Material Safety Data Sheet (MSDS) only for hazardous substances and mixtures/preparations. Mineral wool products (panels or rolls), are articles under REACH and therefore, MSDS is not legally required. Nevertheless, Termolan decides to provide its customers with the appropriate information for assuring safe handling and use of mineral wool