

Commercial brand:

PROMAGLAF WB

Document n°: FBIO-055-EN

Date of creation: 14.11.2007

last revision date: 14.11.2007

1. IDENTIFICATION OF THE COMPANY AND THE PRODUCT

Product's identification

Mentioned products contain man made mineral fibers made out of basalt mineral

Company identification

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2. INFORMATION ON COMPOSITION

Description

These fibers possess a fibre chemistry within the regulatory definition of a "man-made vitreous (silicate) fibre with random orientation with alkaline oxide and alkaline earth oxides (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight;the mineral used for the production of these fibres is natural basalt, free from asbestos.

Typical chemical composition by weight (mean):

SiO₂ 54 to 55% in weight; AL₂O₃ 12 à 14% in weight; alkaline oxide and alkaline earth oxides: >18%

The product satisfies the criteria requested by the Directive /69/EC nota R and therefore does not require any special warning labelling within the European Community.

3. HAZARDS IDENTIFICATION

Exposure may lead to ligh mechanical irritation of the skin, eyes, superior breath apparaturs

The mean average diameter of these fibers was developed in order to provide a limited inhalation in lungs, as such, in normal conditions, no dangerous effect may be foreseen, providing the exposure is mantained within the limits in accordance of local regulations in working sites.

4. FIRST AID MEASURES

skin: wash with clean water, do not use soap

eye: wash with eye solution do not brush

nose: blow your nose in refreshed clean area

If symptoms remain contact a doctor – do not wash the skin with cleaning agents (soaps)

5. FIRE FIGHTING MEASURES

The fibres are naturally non combustible, the material does not contain any organic binder
Packaging used may be flammable (paper, carton, wood) therefore use suitable extinguishing agents.

6. ACCIDENTAL EXPOSURE

During cleaning avoid formation of dust. Do not contaminate water sources. Use exhaust devices to clean surfaces. Do not use pressed air. Humidify the surface before removal of the dust.

7. HANDLING AND STORAGE

Handling

Reduce dust release at the lowest possible level. Inform workers, keep clean area with apparatus. Keep in original packaging before use

Storage: to be kept in dry conditions in its original packaging

8. EXPOSURE CONTROL

EXPOSURE LIMITS (EXAMPLES):

Country	Limits of exposure*	Source
Allemagne	0,5 F/ml	TRGS 900
France	1,0 F/ml	Circ. DRT N° 95-4 du 12.01.95
UK	2,0 F/ml ou 5 mg /m ³	HSE EH40 Maximum Exposure Limit

*numerical average mean value of refractory ceramic fibre (RCF) concentration in air suspension, measured according to conventional filter method or membrane

note: exposure limits may vary from a country to another and depending on product/substance described:
always verify what is applicable in your own country.

protection

wear :

gloves and close working cloths
mask and working glasses with lateral protection
after use clean cloths separately from the body

For dust concentration below the threshold limits it is not compulsory to provide respiratory mask; it is however recommended to provides mask of type FFP 2; in general, always try to limit the exposure time, for operations leading to dust concentration which are 10 times above the limit of exposure do contact a specialist in health and safety

As for any type of product made out of fibres leading to dust during handling, machining and installation, we recommend an adequate training of your personel and workers.

Threshold limits vary from a country to another: please refer to your local legislation

9. CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE	fibrous	RELATIVE DENSITY	0.05-0.024 g/cm ³
blanket		Ph :	7-8
COLOUR :	green/brown	SOLUBILITY	Light
BOILING POINT	n/a	ODOUR	none
FLASHING POINT	n/a	MELTING POINT	1100°C
FLAMMABILITY	n/a	VAPOUR PRESSURE	n/a
EXPLOSIVE PROPERTIES	n/a		

Other information :

The mean average diameter Vs length is, minus 2 points mistake of 6 microns

10. STABILITY ET REACTIVITY

conditions to avoid: none

the continuing use above 900°C may lead to formation of crystalline phase. Crystalline silica may follow local hygiene regulations

Dust containing fibre may occurs when, once operations are ended, the materials are stressed mechanically in these circumstances we recommend to reduce the dust at the lowest possible leve and protect your personel

11. TOXICOLOGICAL INFORMATIONS

Caractere irritant

All mineral fibres, artificial (man made fibres) or natural, may lead to temporary irritation In some sensitive subjects this phenomenon may lead to read skin and allergy (temporary). These irritations, which are always limited in time, are caused by mechanical abrasion phenomena and not by chemical reactions or other different irritating reaction

Classification

The mean average geometry of these fibres has been tested in accordance to methods defined and approved by the European Community. The measured values by independent testing laboratories confirm the exoneration from the classification as carcinogenic product or substance in accordance of the Directory 97/69/EC nota R. No particular labelling is therefore required in the states within the EEC.

12. ECOLOGICAL INFORMATION

no particular observation have been made over these products

13. DISPOSAL

Material is not classified: however is recommended to verify with your local authorities over local legislation always refers to local regulations, if any. Avoid dispersion of the product in the atmosphere. It is recommended to seal waste into plastic bags

14. INFORMATION ON TRANSPORT

Not dangerous in accordance to exiting international known regulations, avoid dispersion in air, keep material in its original packaging

15. REGULATIONS

Definition of fibres according to Directory 97/69/EC

pursuing the European regulation 97/69/EC as intended within the states members of the European Union, fibres (substance) contained in this group of products belong to the group of « artificial (man made) vitreous fibres (silicates) with random orientation, having an alkaline oxide and alkaline earth oxides ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content greater than 18% by weight”

Pursuing the nota R of the Directory 97/69/EC, this basalt fib is exonerated from classification.

Other regulations

The states members of the European union are in charge of transpositionning the european directories in their national right within a period time as normally described in the directory. States member of the EEC may decide to apply stricter rules which are then to be considered the official regulation within the state.

16. OTHER INFORMATIONS

Information contained in this documents are to be considered valid and accurate at the date of issue and in accordance of our level of actual know how. Errors and printing errors are not excluded. Any information provided in this document is not intended to give any warranty or recommendations concerning the correct usage and application of the product.

This safety data sheet does not constitute any warranty from our side.

All users shall be informed above the local rules and legislation of the country where this material is imported or used.

This safety data sheet is composed by 4 (four) pages identified and coded.