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E09/06 a du 06/04/2010

PROCES-VERBAL DE CLASSEMENT DE REACTION AU FEU D'UN MATERIAU

Valable 5 ans à compter du 3 novembre 2011

Selon l'arrêté du 21 novembre 2002 relatif à la réaction au feu des produits de construction et d'aménagement
Laboratoire agréé du Ministère de l'Intérieur (arrêté du 23/03/2010 modifiant l'arrêté du 05/02/1959 modifié)

Procès-verbal n° 1303/01/279 F

Et annexe de 4 pages

Matériau présenté par : CEPRO
87 rue Nationale
59000 LILLE
France

Référence commerciale : Toile CHRONOS

Description sommaire : Toile de fibres de verre filament (690 g/m²). L'une des deux face est
enduite de Polyuréthane (30 g/m²).
Epaisseur nominale totale : 0,68 mm
Masse surfacique nominale : 720 g/m².
Coloris présenté : Gris

Nature de l'essai : NF P 92-503 - Essai au brûleur électrique
NF EN ISO 1716 - Détermination de la chaleur de combustion

Référence du rapport d'essai : RE 3M 1303/01/279 F du 03/11/2011
RE 1E 1303/01/279 F du 03/11/2011

Classement :

MO

Durabilité du classement : Non limitée a priori.

Compte tenu des critères résultants des essais décrits dans le rapport annexé.

Ce procès verbal atteste uniquement des caractéristiques de l'échantillon soumis aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue donc pas une certification de produits au sens de l'article L. 115-27 du code de la consommation et de la loi du 3 juin 1994.

« Valable pour toute application pour laquelle le produit n'est pas soumis au marquage CE »

Pour ordre, suppléant du Directeur
Technique du laboratoire, Franck POUTCH


Stéphane BOISSEL

A Bruay-la-Buissière, 03/11/2011
Le Responsable de la classification


Laurent PANKEWITCH

Nota. - Sont seules autorisées les reproductions intégrales et par photocopie du présent procès-verbal de classement
ou de l'ensemble procès-verbal de classement et rapport d'essais annexé.

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KRONOS WELDING BLANKET**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY**

Product description	Glass fibre material		
Manufacturer / Supplier	Cepro International BV P.O. Box 183 5120 AD Rijen The Netherlands	Date of issue	February 2014
	Tel. no. for information / emergency	+31 (0)161 22 64 72	
	Fax no. for information / emergency	+31 (0)161 22 49 73	

2. HAZARD INFORMATION**Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]**

Not determined

Classification according to Regulation 67/548/EEC or 1999/45/EC

No classification

Label elements

The product does not require a hazard warning label in accordance with EC-directives. This product is an article and therefore it does not require labelling according to EC directives/GefStoffV.

Other hazards**Physico-chemical hazards**

no particular hazards known.

Environmental hazards

no particular hazards known.

Other hazards

none

3. COMPOSITION / INFORMATION ON INGREDIENTS

Range [%]	Substance
85-100	glass CAS:65997-17-3, EINECS/ELINCS: 266-046-0

Comment on component parts	No dangerous components. Substances of Very High Concern - SVHC: substances are not contained or are below 0,1 %.
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4. FIRST AID MEASURES**Description of first aid measures****General information** Change soaked clothing.**Inhalation** Ensure supply of fresh air. In the event of symptoms refer for medical treatment.**Skin contact** When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.**Eye contact** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.**Ingestion** Not applicable**Most important symptoms and effects, both acute and delayed**

No information available

Indication of any immediate medical attention and special treatment neededTreat symptomatically
Forward this sheet to the doctor.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used	None.
Special hazards arising from the substance or mixture	Unknown risk of formation of toxic pyrolysis products.
Advice for fire-fighters	not applicable Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Use breathing apparatus if exposed to dust.
Environmental precautions	Not applicable
Methods and material for containment cleaning up	Dispose of absorbed material in accordance with the regulations. Take up mechanically.
Reference to other sections	See section 8+13

7. HANDLING AND STORAGE

Precautions for safe handling	With mechanical processing however fibers can be set free. Avoid the formation and depositions of dust. Provide vacuuming if dust raised. Dust deposits that cannot be avoided must be taken up regularly. Wash hands before breaks and after work. Use barrier skin cream take off contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	No special measures necessary.
Specific end use(s)	See product use. section 12

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters	
Ingredients with occupational exposure limits to be monitored (GB)	
Range [%]	Substance
85-100	glass CAS: 65997-17-3, EINECS/ELINCS: 266-046-0 Long-term exposure: TLV-TWA: 1 f/cc (respirable): 5 mg/m ³ (inhalable (ACGHIH
Exposure controls	
Additional advice on system design	Ensure adequate ventilation on workstation To pay attention to dust limit value (ACGHI-2011: 10 mg/m ³ particle inhalable; 3 mg/m ³ particle respirable).
Eye protection	Safety glasses
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Leather (EN 388). Long-sleeved work clothes.

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Other	Avoid contact with eyes and skin. Do not inhale dust. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
Respiratory protection:	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter P2.
Thermal hazards	No information available
Delimitation and monitoring of the environmental exposition:	not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid in different forms.	Vapour pressure (kPa)	Not applicable.
Colour	Various.	Density (g/m)	Not determined.
Odour	Odourless.	Bulk density (kg/m³)	Not applicable.
pH-value	Not applicable.	Solubility in water	Immiscible.
pH-value, 1 %	Not applicable.	Partition coefficient: n-octanol / water	Not applicable.
Boiling point (°C)	Not applicable.	Viscosity	Not applicable.
Flash point (°C)	Not applicable.	Relative vapour density determined in air	Not applicable.
Flammability (°C)	Not applicable.	Evaporation speed	Not applicable.
Lower explosion limit	Not applicable.	Melting point (°C)	Not determined.
Upper explosion limit	Not applicable.	Autoignition temp. (°C)	Not applicable.
Combustible properties	No.	Decomposition temp. (°C)	Not applicable.

Other information No information available

10. STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known
Chemical stability	Stable under normal ambient conditions (ambient temperature)
Possibility of hazardous reactions	No hazardous reactions known
Conditions to avoid	No information available
Incompatible materials	No information available
Hazardous decompositions products	

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	Contains fibres with diameter > 6 micrometers. The filament is not breathable (WHO). Fiber abrasion can cause mechanical skin irritation.
General remarks:	No classification on the basis of the calculation procedure of the preparation directive.

KRONOS WELDING BLANKET**12. ECOLOGICAL INFORMATION****Toxicity****Persistence and degradability****Behaviour in environment compartments**

not applicable

Behaviour in sewage plant

not applicable

Biological degradability

not applicable

Bioaccumulative potential No information available**Mobility in soil** No information available**Results of PBT and vPvB assessment**

No information available

Otherwise adverse effects

The product is insoluble in water.

Can be separated out mechanically in purifications plants.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

101112

101103

Contaminated packaging

Uncontaminated packaging may be taken for recycling

Waste no. (recommended)

150101

150102

14. TRANSPORT INFORMATION**UN number**

see section 14 in accordance with UN shipping name

UN proper shipping name**Transport by land according to ADR/RID** NO DANGEROUS GOODS**Inland navigation (ADN)** NO DANGEROUS GOODS**Marine transport in accordance with IMDG** NO DANGEROUS GOODS**Air transport in accordance with IMDG** NO DANGEROUS GOODS**Transport hazard class(es)**

see section 14 in accordance with UN shipping name

Packing group

see section 14 in accordance with UN shipping name

Environmental hazards

see section 14 in accordance with UN shipping name

Special precautions for user relevant information under section 6 to 8**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

not applicable

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15. REGULATORY INFORMATION

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

EEC-REGULATIONS: 1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG)

TRANSPORT-REGULATIONS: DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).

NATIONAL REGULATIONS (GB) EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

Observe employment restrictions for people

OC (1999/13/CE) Not applicable

Chemical safety assessment Chemical safety assessments for substances in this mixture were not carried out

16. OTHER INFORMATION

Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

Customs tariff Not determined

Disclaimer: 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.

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TECHNICAL DATA

Test		Standard*	
1. Weave		Satin 1/7	DIN 61 101 - 1
2. Width		1000 mm	DIN EN 1773
3. Thickness		0,68 mm	DIN EN ISO 2286-3
4. Weight		690 g/m ²	DIN EN ISO 12127
5. Number of threads	<i>warp</i>	16,0 threads/cm	DIN EN 1049 - 2
	<i>weft</i>	15,0 threads/cm	
6. Yarn count	<i>warp</i>	204 total	DIN EN ISO 2060
	<i>weft</i>	204 total	
7. Filament diameter	<i>warp</i>	9 (11) µm	DIN 53 811
	<i>weft</i>	9 (11) µm	
8. Tensile strength	<i>warp</i>	> 4200 N/5 cm	ISO 4606
	<i>weft</i>	> 3500 N/5 cm	

* partly according to the standard

Subject to tolerances