

## LETO WELDING BLANKET



**CREPIM**  
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Le format du classement de réaction au feu pour les produits de construction, à l'exception des revêtements de sol et des produits d'isolation thermique pour conduites linéaires est / The format of the reaction to fire classification for construction products excluding flooring and linear pipe thermal insulation products is:

Comportement au feu Fire behaviour		Production de fumée Smoke production			Gouttelettes enflammées Flaming droplets	
A1	-	s	/	,	d	/

C'est-à-dire / Namely, A1

**Classement de réaction au feu /  
Reaction to fire classification :**

*A1*

### 4.3 Domaine d'application / Field of application

Le présent classement est valable pour les paramètres suivants liés au produit / The classification is valid for the following product parameters :

*Epaisseur / Thickness : 0.7 mm*

*Masse volumique / Density : 857 kg/m<sup>3</sup>*

*Masse surfacique / Surface mass : 600 g/m<sup>2</sup>*

### 5. Limitations

Le présent document de classement n'est pas une approbation ni une certification de type du produit.  
This classification document does not represent type of approval or certification of the product.

#### Signé

Signature de la personne ayant réalisé le classement  
Signature of the person who realise the classification

**Thomas TURF**  
Ingénieur praticien  
Test engineer

#### Approuvé

signature de la personne autorisant le présent rapport  
Signature of the person who authorise the report

**Skander KHELIFI**  
Responsable Technique  
Technical Manager

Ce rapport de classement comprend 4 pages et ne peut être utilisé ou reproduit que dans son intégralité  
This Classification Report consists of 4 pages and may only be used or reproduced in its entirety

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

<b>Product description</b>	Silicate fibre material  with/without coating with one-sided PU, two-sided PU with/without HT-finish with CS, HT90, MT, HT75, FH1000, AR, SF with/without silicon-coatings with/without coating with aluminium sheet metal foil, aluminium vaporized PES foil		
<b>Manufacturer / Supplier</b>	<b>Cepro International BV</b> P.O. Box 183 5120 AD Rijen The Netherlands	<b>Date of issue</b>	March 2011
	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**

No special hazards have to be mentioned.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Substance	EINECS/ELINCS	CAS	Range [%]	Symbol / R-phr.
Glass, oxides	266-046-0	65997-17-3	80 - < 100	

**4. FIRST AID MEASURES**

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms refer for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
<b>Ingestion</b>	Drink plenty of water to reduce irritation, If irritation persists, seek medical attention.
<b>Advice to doctor</b>	Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Foam, Dry powder. Water spray jet. Carbon dioxide.
<b>Extinguishing media that must not be used</b>	None.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Risk of formation of toxic pyrolysis products.
<b>Special protective equipment for firefighters</b>	Use self-contained breathing apparatus
<b>Additional information</b>	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid dust formation. Use breathing apparatus if exposed to dust.
<b>Environmental precautions</b>	Not applicable
<b>Methods for cleaning up/taking up</b>	Dispose of absorbed material in accordance with the regulations. Take up mechanically.

### 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	Avoid the formation and deposition of dust. Provide extraction if dust raised. No special measures necessary if used correctly. Dust deposits that cannot be avoided must be taken up regularly.
<b>Advice on protection against fire and explosion</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels</b>	No special measures necessary.
<b>Advice on storage compatibility</b>	Not applicable.
<b>Further information on storage conditions</b>	Not applicable.

**LETO WELDING BLANKET****8. EXPOSURE CONTROL / PERSONAL PROTECTION****Additional advice on system design**

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: (GB)			
Substance	LTEL[ppm]	L TEL[mg/m <sup>3</sup> ]	General remarks
glass, oxide, chemicals		5	ore 2 fibres/ml; 14/3,59,87
L TEL: Loml-term exposure limit			

<b>Respiratory protection</b>	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, Filter P2.
<b>Hand protection</b>	Leather (EN 388)
<b>Eye protection</b>	Safety glasses.
<b>Skin protection</b>	Long-sleeved work clothes
<b>General protective measures</b>	Do not inhale dust. Avoid contact with eyes and skin.
<b>Hygiene measures</b>	Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition</b>	Not determinated.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Light brown	<b>Odor</b>	no
<b>Physical state</b>	Silicate	<b>PH water</b>	Non applicable
<b>Vapor density</b>	Non applicable	<b>Melting point</b>	> 1200 °C
<b>Vapor pressure</b>	Non applicable.	<b>Freezing point</b>	Non applicable
<b>Specific gravity</b>	2,2	<b>Solubility</b>	Insoluble
<b>Odor treshold</b>	Non applicable.	<b>Boiling point</b>	Non applicable
<b>Evaporation rate</b>	Non applicable.	<b>Coefficient of water/oil distribution</b>	Non applicable

**10. STABILITY AND REACTIVITY**

<b>Hazourdous reactions</b>	No hazardous reactions known.
<b>Hazourdous decomposition products</b>	No hazardous decomposition products known.

**LETO WELDING BLANKET****11. TOXICOLOGICAL INFORMATION**

<b>Acute oral toxicity OECD 401</b>	Not determined.
<b>Acute dermal toxicity OECD 402</b>	Not determined.
<b>Acute inhalational toxicity OECD 403</b>	Not determined.
<b>Irritant effect on eye OECD 405</b>	Not determined.
<b>Irritant effect on skin OECD 404</b>	Not determined.
<b>Sensitization OECD 406</b>	Not determined.
<b>Subacute toxicity</b>	Not determined.
<b>Chronic toxicity</b>	Not determined.
<b>Mutagenicity</b>	Not determined.
<b>Reproduction toxicity</b>	Not determined.
<b>Carcinogenicity</b>	Not determined.

**Experiences made in practice** None fibres with diameter below 3,5 micrometers. Filament is nonrespirable (IARC). Fiber abrasion can cause mechanical skin irritation.

**General remarks** No classification on the basis of the calculation procedure of the preparation directive.

**12. ECOLOGICAL INFORMATION**

<b>Fish toxicity</b>	Not applicable.
<b>Daphnia toxicity</b>	Not applicable.
<b>Behaviour in environment compartments</b>	Not applicable.
<b>Behaviour in sewage plant</b>	Not applicable.
<b>Bacteria toxicity</b>	Not applicable.
<b>Biological degradability</b>	Not applicable.
<b>COD</b>	Not applicable.
<b>BOD5</b>	Not applicable.
<b>AOX-advice</b>	Not determined.
<b>76/464/EC</b>	Not determined.
<b>General information</b>	Not applicable.

**13. DISPOSAL CONSIDERATIONS**

<b>Disposal/ Product</b>	Coordinate disposal with the authorities if necessary.
<b>Waste no. (recommended)</b>	101103
<b>Disposal/ Contaminated packaging</b>	Uncontaminated packaging may be taken for recycling.

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### 14. TRANSPORT INFORMATION

**Classification according to ADR:** No dangerous goods

**Declaration:**

**Labelling:**

**Factor, ADR 1.1.3.6:**

**LQ, ADR 3.4.6:**

**Hazard-no:**

**Label:**

**Vapour pressure (kPa)**

**Classification according to IMDG:**

**Declaration:**

**Labelling:**

**LQ, [l/kg]:**

Not classified as dangerous goods

**Label:**

**EmS:**

**Classification according to IATA:**

**Declaration:**

**Labelling:**

**Label:**

Not classified as dangerous goods

### 15. REGULATORY INFORMATION

**Labelling:**

The product does not require a hazard warning label in accordance with EC directives.

**Hazard symbols:**

#### 15.1 SPECIAL LABELLING FOR CERTAIN PREPARATIONS

Not applicable.

#### 15.2 NATIONAL REGULATIONS (GB)

Not determined.

### 16. OTHER INFORMATION

None.

#### 16.1 SOURCES OF DOCUMENTATION

EEC:91/155 (2001/58); 67/548 (2004/73), 29. ATP; 1999/45 (2001/60); 91/689 (2001/118); 89/542; 1999/13  
Transport information: ADR (2005); IMDG-Code (31.Amdt.); IATA-DGR (2005)

#### 16.2 ADDITIONAL INFORMATION

**Observe employment  
restrictions for people  
VOC, 1999/13/EG  
Customs Tariff**

Not applicable.

Not applicable.

Not determined.



## LETO WELDING BLANKET



### 16.3 INFORMATION ON INGREDIENTS - 648/2004

Not applicable.

### 16.4 MODIFIED POSITION

None.

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### TECHNICAL DATA

Test			
1. Weave		8H Satin	
2. Selvage		Feathered (Feather length: 5-8 mm)	
3. Yarn, tex	warp	68 x 3 or 102x2	
	weft	68 x 3 or 102x2	
4. Width		900 mm	DIN EN 1773
5. Thickness*, mm		0,77 +/- 0,07	DIN EN ISO 5084
6. Weight, g/m²		600, +/- 30	DIN EN 12127
7. Thread count per cm	warp	19 +/- 1	DIN 53853
	weft	11 +/- 1	
8. Tensile strength, min. N/2,5 cm	warp	2800	EN ISO 13934.1
	weft	1900	
9. Content of main components %		SiO2 95 +/- 1	Comp. Method
		Al2O3 3,5 +/- 0,5	PP - Q - K 05