

CEPRO PVC CLEAR STRIPS


CEPRO®
 LEADING IN WELDING SAFETY

INFOSHEET

CEPRO PVC CLEAR STRIPS
UK

Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle
 Amtlich anerkannte Prüfstelle für Feuerlöschmittel und -geräte
 DIN EN ISO/IEC 17025 DAP-PL-1137.00
 ZLS-P-621/05; ZLS-ZE-510/05
 Notified Body no. 0767
 Mitglied des Verbandes der Materialprüfungsämter e.V.



MPA
Dresden

Prüfungsbericht

Test report

Nr./ No. 2007-B-3744

1. Ausfertigung
1. execution

Auftraggeber:	Cepro International BV
<i>Client:</i>	Parallelweg 38 5121 LD Rijen Niederlande
Hersteller:	Cepro International BV
<i>Manufacturer:</i>	Parallelweg 38 5121 LD Rijen Niederlande
Inhalt des Auftrages:	Prüfung auf Normalentflammbarkeit
<i>Matter of order:</i>	(Baustoffklasse B 2) nach DIN 4102 Teil 1 reaction to fire acc. DIN 4102 part 1 to the proof of the normal combustibility (building material class B2)
Klassifizierung:	B 2 nach DIN 4102-1
<i>Classification:</i>	B2 acc. to DIN 4102-1
Versuchsmaterial:	weiches Polyvinylchlorid (PVC) Ref.26.20.03 / 26.20.02
<i>Test object:</i>	soft polyvinyl chloride (PVC) Ref. 100
eingeliefert am:	05. Oktober 2007
<i>Date of sample receipt:</i>	05th October 2007
Probenahme:	nicht amtlich
<i>Sampling procedure:</i>	not official
Kennzeichnung:	keine
<i>Designation:</i>	none

Der Prüfungsbericht umfasst 5 Blatt.
This report comprises 5 pages.

Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgegenstände.
The test results exclusively refer to the test objects.

Die Prüfung erfolgte gemäß DIN 4102 Teil 1 sowie den Zulassungsgrundsätzen für den Nachweis der Normalentflammbarkeit von Baustoffen (Baustoffklasse B2 nach DIN 4102) in der zur Zeit gültigen Fassung.
The tests took place in accordance with DIN 4102 part 1 as well as the principles of permission for the proof of the normal combustibility from building materials (building material class B2 according to DIN 4102) in the at present valid version.

Anmerkung: Dieser Bericht ersetzt nicht ein notwendiges allgemeines bauaufsichtliches Prüfzeugnis.
Note: This report does not replace a necessary official approval "allgemeines bauaufsichtliches Prüfzeugnis".

Veröffentlichungen von Prüfungsberichten, auch auszugsweise und Hinweise auf Prüfungen zu Werbezwecken bedürfen in jedem Einzelfalle der schriftlichen Einwilligung der Prüfstelle. Die einzelnen Blätter dieses Prüfungsberichtes sind mit dem Firmenstempel der MPA Dresden GmbH versehen.
 Publications of test reports and information on tests for publicity purposes require the written approval of the institution in every isolated case. Every page of this report is stamped with the seal of the test institution.

MPA Dresden GmbH
 Fuchsmühlenweg 6F
 D-09599 Freiberg
 Tel.: +49(0)3731-2 03 93-0
 Fax: +49(0)3731-2 03 93-110

Geschäftsführer: Thomas Hübler
 Steuernummer: 220/114/03011
 Amtsgericht Chemnitz HR B 21581
 Internet: www.mpa-dresden.de
 E-Mail: info@mpa-dresden.de

Kreissparkasse Freiberg
 Poststraße 1a
 D-09599 Freiberg
 Kto.: 3115024672
 BLZ: 870 520 00

USt-IdNr.: DE234226059
 IBAN DE68 8705 2000 3115 0246 72
 BIC: WELADED1FGX



Commercial 1/1

Certification 1/1

Safety 1/4

Technical Specifications 1/2

Version 007 - Check our website for the latest version.

CEPRO_PFS_industrial_grinding_strips_2EN

Version 001 - Check our website for the latest version.

CEPRO_PFS_industrial_grinding_strips_2EN_rev

CEPRO PVC CLEAR STRIPS

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product description	Cepro transparent flexible welding strips		
Manufacturer / Supplier	Cepro International BV Provinciënbaan 16 NL-5121 DL RIJEN The Netherlands	Date of issue	January 2015
	Tel. no. for information / emergency	+31 (0)161 22 64 72	
	Fax no. for information / emergency	+31 (0)161 22 49 73	
Chemical name and synonyms	Plasticized Polyvinyl Chloride film		
Chemical family	PVC resin, plasticizer, stabilizer, pigment		

2. HAZARDOUS IDENTIFICATION

Whilst this preparation contains hazardous ingredients harmful effects are unlikely in conditions of normal use. This mixture does not require a label in the form supplied.

Incorrect processing may lead to thermal decomposition which will evolve toxic and corrosive vapours.

This PVC preparation has been classified under EU Directive 1999/45/EC

Classification:	Toxic to reproduction, Category 2; Mutagenic Category 3
Symbol:	T, Xi
Risk phrases:	R22, R36, R38, R48/25, R43, R53, R60, R61, R68
Safety phrases:	S36/37/39, S53, S61

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Index No	W/W %	Hazard Symbol	Risk Phrase
Di-methylzinn Mercaptid	Cas No. 57583-35-4 EINECS-No 260-829-0	<=2%	Xi	R20, R21, R22
C14-C17 Chlorparaffin	Cas. No. 085535-85-9 EINECS-No 287-477-0	< 20%	N	R50, R53
Phenol, isopropyliert, Phosphat (3:1)	Cas. No. 68937-41-7 EINECS-No 219-703-0	< 15%	Xn, Carc, Cat 3	R62, R63
Triphenyl phosphat	Cas. No. 115-86-6 EINECS-No 204-112-2	< 2%	N	R50, R53

4. FIRST AID MEASURES

Inhalation	Inhalation of Noxious Fumes: Remove patient to fresh air, keep warm and at rest. Obtain immediate medical attention. Apply artificial respiration if breathing has ceased or shows signs of failing. Administer oxygen if necessary.
Skin Contact	Burns from Contact with Hot Melts: Cool the affected parts with clean cold water. Do not attempt to remove solidified plastic from the skin. Obtain immediate medical attention.

CEPRO PVC CLEAR STRIPS

Eye Contact	Irrigate with eyewash solution or clean water holding the eyelids apart.
Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water. Obtain medical attention if ill effects occur.
Medical Information	Fully inform doctor or hospital of the nature of the product being handled.

5. FIRE FIGHTING MEASURES

Remove uninvolved people from the vicinity of the fire.

Extinguishing Media	Dry powder, water mist, foam, carbon dioxide. Check for special circumstances. e.g. Live electrical equipment that may affect the choice of extinguisher.
Protective Equipment	In major fire situations, toxic and corrosive vapours will be evolved and self contained breathing apparatus and acid resistant protective clothing should be worn.

6. ACCIDENTAL RELEASE MEASURES

Sweep or vacuum up. Store in a suitable closed container for disposal.

7. HANDLING AND STORAGE

Handling	Solid granules can present a slipping hazard if spilled.
Processing	Provide adequate ventilation. Avoid inhalation of vapours from hot molten material.
Storage	Store at room temperature in a dry, adequately ventilated area. Keep packaging closed if possible. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protection	Observe good industrial hygiene. Wear suitable industrial protective clothing. Appropriate eye protection and gloves should be available whenever PVC preparations are being processed.
Exposure Controls	When processing the material, provide good general ventilation and preferably local extraction near large areas of exposed molten material.

Decomposition Products

Triphenyl phosphat	STEL: UK EH40 6mg/m ³ 1997-01-01
	TWA: UK EH40 3mg/m ³ 1997-01-01
OES Hydrogen Chloride - STEL 5ppm; 7mg/m ³ (15 mins. TWA).	
OES Carbon Monoxide - STEL 300ppm; 330mg/m ³ (15 mins. TWA).	
OES = Occupational Exposure Standard.	
STEL = Short Term Exposure Limit.	
TWA = Time Weighted Average.	

CEPRO PVC CLEAR STRIPS

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Granular solid, strips, sheets & films
Relative Density	>1,22
Odour	Slight characteristic.
Decomposition Temperature	Decomposition is dependent on both time and temperature but will occur increasingly rapidly if left standing above 150°C.
Solubility (Water)	Insoluble. See Product Data Sheet for further information on properties and processing

10. STABILITY AND REACTIVITY

General Information	If stored and handled in accordance with standard practice this product is unlikely to cause any harmful effects.
Hazardous Decomposition Products	Thermal decomposition will evolve corrosive vapours of Hydrogen Chloride and toxic vapours of Carbon Monoxide. Other organic decomposition products and metal oxides will be evolved but will not normally present an additional hazard.
Reactivity	PVC Preparations are relatively inert but contact with strong oxidising agents and concentrated acids above 60°C should be avoided. Avoid contact with acetal resins.

11. TOXICOLOGICAL INFORMATION

No toxic effects are anticipated under normal conditions of storage and use. See Sections 8 & 10 regarding toxic effects of decomposition products.

12. ECOLOGICAL INFORMATION

PVC preparations in fully gelled form are considered to be ecologically benign. They are not readily decomposed by weathering or by micro organisms.

Water Pollution Class in Germany, (Wassergefährdungsklasse), WGK= 0 (Self classification). Generally not water endangering.

13. DISPOSAL CONSIDERATIONS

If possible recycle otherwise disposal should be in accordance with local, state or national legislation. Bury in an authorised landfill site or incinerate under approved controlled conditions.

Waste is categorised as M1 07 02 13 under EU directive 2000/532/EC

14. TRANSPORT CONSIDERATIONS

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

This PVC preparation does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied. Such preparations do not require a label under EU Directive 2008/1272/EC.

CEPRO PVC CLEAR STRIPS

16. OTHER INFORMATION

For reference purposes: the Risk and Safety Phrases for ingredients in point 3 are:

Risk Phrases:

R20	Harmful by inhalation..
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R50/53	Very Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risks of harm to the unborn child.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

This Safety Data Sheet was prepared in accordance with EU Directive 2006/1907/EC.

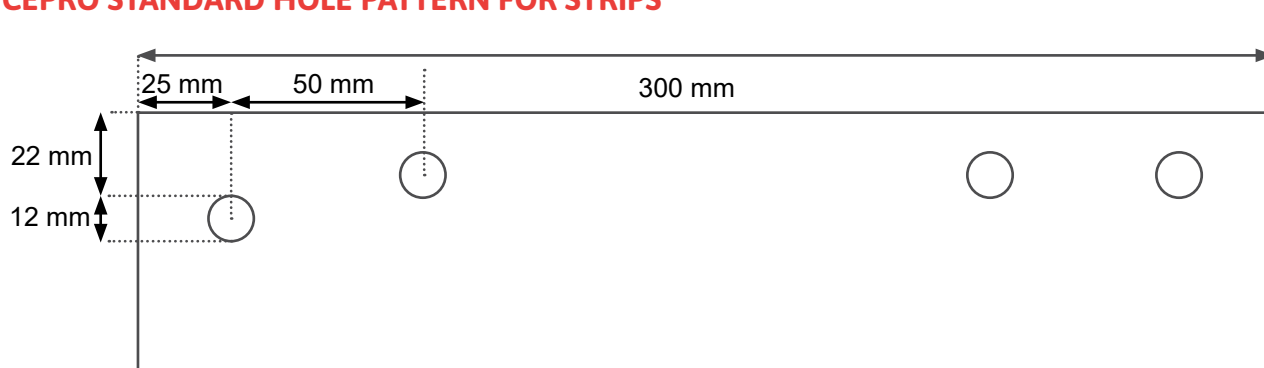
The information contained in this Safety Data Sheet has been prepared in good faith by the Company and represents the Company's actual knowledge of the Product at the date of issue. The purpose of this information is solely to enable the User to take the necessary measures for the protection of health and safety at work. No warranty or guarantee is given or may be implied as to the properties, specifications or quality of the Product, or its use or application. (The User must satisfy itself as to the suitability or completeness of the information for its own use). It is the User's responsibility to observe national or local laws or regulations as to industrial safety; in no case can the Company accept any responsibility for the User's failure to observe such laws or regulations. Freedom from patent rights must not be assumed.

CEPRO PVC CLEAR STRIPS

TECHNICAL SPECIFICATIONS

Properties	Unit	Standard	Polar	Test Method
Shore "A" hardness	-	75	65	DIN 53 505
Specific Density	g/cm ³	1.22	1.20	DIN 53 479
Temperature resistance	°C	+50 / -20	+35/-40	-
Flexibility	°C	-35	-40	DIN 51 949
Cold bend Brittle point	°C	-35	-45	DIN 53 372
Elongation at break	%	360	400	DIN 53 455
Tensile strength	n/mm ²	17	13	DIN 53 455
Water absorption	mg	17	21	DIN 53 472
Light transmittance	%	>80	>75	ASTM D 1003
Sound protection	dB	>35	>35	DIN 52 210
Flammability / reaction to fire		self extinguishing		DIN 53 382
Suitability for food-industry		passed		EC 1935/2004

CEPRO STANDARD HOLE PATTERN FOR STRIPS



CEPRO PVC CLEAR STRIPS

STABILITY LIST

Stability test at 20°C :

1 = stable

2 = conditionally stable

3 = unstable

Contents	1	2	3	Contents	1	2	3	Contents	1	2	3
Acetaldehyde pure			X	Ethyl alcohol 10%	X			Oxalic acid 100%			X
Acetaldehyde aqueous		X		Ethyl alcohol 50%		X		Oxalic acid			X
Acetic acid 100%	X			Ethyl acetate 100%			X	Phenylhydrazine 100%			X
Acetic anhydride 100%			X	Ethyl hexanol 100%			X	Phosphoric acid aqueous			X
Acetone 100%			X	Formaldehyde aqueous	X			Potassium bichromate aq.			X
Aluminium oxide	X			Formic acid 100%		X		Potassium bromide aqueous			X
Aluminium acetate	X			Gasoline			X	Potassium chloride aqueous			X
Aluminium chloride	X			Gasoline benzene mixture			X	Potassium hydroxide up to 50%			X
Aluminium hydroxide	X			Glycerine aqueous	X			Potassium nitrate aqueous			X
Aluminium oxide	X			Glycerine pure	X			See water			X
Ammonia gaseous 100%	X			Glycol aqueous	X			Sodium chloride aqueous			X
Ammonia aqueous	X			Glycol pure	X			Sodium hydroxide 20%			X
Ammonium chloride	X			Hydrochloric acid aq. 10%	X			Sodium hydroxide 50%			X
Ammonium phosphate aq.	X			Hydrochloric acid aq. Conc.		X		Sodium hydroxide aq. 15%			X
Ammonium sulfite 10-100%	X			Hydrofluoric acid 10%	X			Sulfuric acid 100%			X
Amyl alcohol 100%			X	Hydrofluoric acid Conc.		X		Sulfuric acid 5%			X
Aniline 100%			X	Hydrogen peroxide 8%	X			Sulfuric acid 10%			X
Anisole 100%			X	Hydrogen peroxide 10%	X			Sulfuric acid 95%			X
				Hydroxylamine sulfate aq.	X			Talc salt aqueous			X
Barium sulfate	X			Lactic acid 10%	X			Tartaric acid aqueous			X
Benzaldehyde 100%			X	Lactic acid 50%	X			Tetraethyl ether 100%			X
Benzene acid	X			Lactic acid 90%		X		Tetrahydrofuran 100%			X
Benzene 100%			X	Magnesium carbonate	X			Urea aqueous			X
Bleaching calcium sol. 12,5%	X			Magnesium chloride	X			Xylene 100%			X
Borax aqueous	X			Magnesium sulfate	X			Zinc sulfate			X
Boric acid aqueous	X			Merck WAS 42%		X					
Bromine			X	Merckphen 60 100%			X				
Butoxide 100%			X	Merckphen 88 5%			X				
Butyl acetate 100%			X	Merckphen 810 20%			X				
				Merckphen 820 5%		X					
Calcium carbonate aqueous	X			Merckphen 820 20%		X					
Calcium chloride	X			Methyl alcohol 100%			X				
Calcium nitrate	X			Methyl chloride 100%			X				
Calcium sulfate aqueous	X			Nickel chloride aqueous	X						
Carbon disulfide 100%		X		Nickel sulfide aqueous	X						
Carbon disulfide dry 100%	X			Nitric acid 6%	X						
Carbonic anhydride	X			Nitric acid 10%		X					
Chloroform 100%	X			Nitric acid 20%		X					
Chromic acid	X			Nitric acid 65%		X					
Copper sulfate aqueous	X			Nitrobenzene 100%			X				
Cyclohexanone 100%			X								
Dextrine aqueous	X										
Dichloroethylal 100%			X								

* ordering special quality

- subject to modification -

Information:

Cepro soft polyvinyl chloride is extensively resistant to chemicals, the dielectric properties are excellent. Our indications are based on our knowledge and on many years of experience in processing of plastics. We can, however, not furnish any general information on the stability of polyvinyl chloride. This is due to the different conditions during application of the material. We would therefore advise you in any case to implement aptitude tests with such filling materials, for which we have no experience of their behaviour.