



PU 400 MARINE - Polyurethane marine wood adhesive D4

24-61

SECT	SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERT	AKING
1.1	1.1 Product identifier: PU 400 MARINE - Polyurethane marine wood adhesive D4 24-61	
1.2		
	Relevant uses: Adhesive for wood	
	Uses advised against: All uses not specified in this section or in section 7.3	
1.3	1.3 Details of the supplier of the safety data sheet: EVOCHEM S.A. Tzaverdella Place 133 41 PHILI , ATTICA - GREECE Phone.: 0030 210 5590460 , 0030 Fax: 0030 210 6254737 , 0030 210 info@evochem.gr; vmergoupis@ev sales@evochem.gr www.evochem	5590244 vochem.gr;
1.4	1.4 Emergency telephone number: National Poisoning Center 2107793777	
SECT	SECTION 2: HAZARDS IDENTIFICATION	
2.1		
	Directive 67/548/EC and Directive 1999/45/EC:	
	This product was classified in accordance with Directive 67/548/EC and Directive 1999/45/EC, adaptin Regulation (EC) nº1907/2006 (REACH regulation). Carc. Cat 3: R40 - Limited evidence of a carcinogenic effect Xi: R36/37/38 - Irritating to eyes, respiratory system and skin Xn: R20 - Harmful by inhalation, R42/43 - May cause sensitisation by inhalation and skin contact, R48 serious damage to health by prolonged exposure through inhalation CLP Regulation (EC) nº 1272/2008:	
	Classification of this product has been carried out in accordance with CLP Regulation (EC) nº 1272/20	08.
	Acute Tox. 4: Acute inhalation toxicity, Category 4 Carc. 2: Carcinogenicity, Category 2 Eye Irrit. 2: Eye irritation, Category 2 Resp. Sens. 1: Sensitisation, respiratory, Category 1 Skin Irrit. 2: Skin irritation, Category 2 Skin Sens. 1: Sensitisation, skin, Category 1 STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3	
2.2		
	Directive 67/548/EC and Directive 1999/45/EC:	
	In accordance with the legislation, the elements on the label are as follows:	
	R Phrases:	
	R20: Harmful by inhalation R36/37/38: Irritating to eyes, respiratory system and skin R40: Limited evidence of a carcinogenic effect R42/43: May cause sensitisation by inhalation and skin contact R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation S Phrases:	
	S2: Keep out of the reach of children S36/37: Wear suitable protective clothing and gloves S46: If swallowed, seek medical advice immediately and show this container or label Supplementary information:	
	P91: Contains isocyanates-Read the information provided by the manufacturer	





24-61

SECTION 2: HAZARDS IDENTIFICATION (continue)

Substances that contribute to the classification:

Methylenediphenyl diisocyanate; Diphenylmethanediisocyanate-prepolymer; 4,4'-methylenediphenyl diisocyanate

CLP Regulation (EC) nº 1272/2008:

Danger



Hazard statements:

Acute Tox. 4: H332 - Harmful if inhaled Carc. 2: H351 - Suspected of causing cancer Eve Irrit. 2: H319 - Causes serious eve irritation Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure STOT SE 3: H335 - May cause respiratory irritation **Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand

- P102: Keep out of reach of children
- P103: Read label before use

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+P352: IF ON SKIN: Wash with plenty of water

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

EUH204: Contains isocyanates. May produce an allergic reaction

EUH208: Contains 4,4 - methylenediphenyl diisocyanate, Diphenylmethanediisocyanate-prepolymer, Methylenediphenyl diisocyanate. May produce an allergic reaction

Substances that contribute to the classification

Diphenylmethanediisocyanate-prepolymer; Methylenediphenyl diisocyanate; 4,4 - methylenediphenyl diisocyanate

Additional Labelling (Annex XVII, REACH):

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3 Other hazards:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Polyurethane resin

Components:

In accordance with Annex II of Regulation (EC) nº1907/2006 (point 3), the product contains:

Identification		Chemical name/Classification		Concentration
CAS: 112898-48-3	Diphenylmethanedii	socyanate-prepolymer	Self-classified	
EC: Non-applicable Index: Non-applicable	Directive 67/548/EC	Xn: R42/43	×	50 - <75 %
REACH: Non-applicable	Regulation 1272/2008	Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin I H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger	rrit. 2: 🚺 🌜	
CAS: 26447-40-5	Methylenediphenyl o	liisocyanate	ATP ATP01	
EC: 247-714-0 Index: 615-005-00-9	Directive 67/548/EC	Carc. Cat 3: R40; Xi: R36/37/38; Xn: R20, R42/43, R48/20	×	24 - <50 %
REACH: 01-2119457015-45-XXX	Regulation 1272/2008	Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin I H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger	rrit. 2: 🚺 🕹	





PU 400 MARINE - Polyurethane marine wood adhesive D4

24-61

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continue)

Identification		Chemical name/Classification C			
CAS: 101-68-8	4,4'-methylenediph	enyl diisocyanate A	TP CLP00		
EC: 202-966-0 Index: 615-005-00-9	Directive 67/548/EC	Carc. Cat 3: R40; Xi: R36/37/38; Xn: R20, R42/43, R48/20	×	9,9 - <19 %	
REACH:01-2119457014-47-XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger	. 2: 🚺 🚯		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply,etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with luke warm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the MSDS of the product.

By consumption:

Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflamation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES





24-61

SECTION 6: ACCIDENTAL RELEASE MEASURES (continue)

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

This product is not classified as dangerous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A Technical measures for	or storage
Minimum Temp.:	5 °C
Maximun Temp.:	35 °C
Maximum time:	12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment There are no environmental limits for the substances contained in the product

DNEL (Workers):





24-61

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

		Short	exposure	Long	exposure
Identification		Systemic	Local	Systemic	Local
Methylenediphenyl diisocyanate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 26447-40-5	Dermal	50 mg/kg	Non-applicable	Non-applicable	Non-applicable
EC: 247-714-0	Inhalation	0,1 mg/m ³	0,1 mg/m ³	0,05 mg/m ³	0,05 mg/m ³
4,4´-methylenediphenyl diisocyanate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 101-68-8	Dermal	50 mg/kg	Non-applicable	Non-applicable	Non-applicable
EC: 202-966-0	Inhalation	0,1 mg/m ³	0,1 mg/m ³	0,05 mg/m ³	0,05 mg/m ³

DNEL (Population):

		Short	exposure	Long	exposure
Identification		Systemic	Local	Systemic	Local
Methylenediphenyl diisocyanate	Oral	20 mg/kg	Non-applicable	Non-applicable	Non-applicable
CAS: 26447-40-5	Dermal	25 mg/kg	Non-applicable	Non-applicable	Non-applicable
EC: 247-714-0	Inhalation	0,05 mg/m ³	0,05 mg/m ³	0,025 mg/m ³	0,025 mg/m ³
4,4 '-methylenediphenyl diisocyanate	Oral	20 mg/kg	Non-applicable	Non-applicable	Non-applicable
CAS: 101-68-8	Dermal	25 mg/kg	Non-applicable	Non-applicable	Non-applicable
EC: 202-966-0	Inhalation	0,05 mg/m ³	0,05 mg/m ³	0,025 mg/m ³	0,025 mg/m ³

PNEC:

Identification				
Methylenediphenyl diisocyanate	STP	1 mg/L	Fresh water	1 mg/L
CAS: 26447-40-5	Soil	1 mg/kg	Marine water	0,1 mg/L
EC: 247-714-0	Intermittent	10 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
4,4 '-methylenediphenyl diisocyanate	STP	1 mg/L	Fresh water	1 mg/L
CAS: 101-68-8	Soil	1 mg/kg	Marine water	0,1 mg/L
EC: 202-966-0	Intermittent	10 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the professional exposure limits. In case of using indivudual protection equipment they should have the ""CE marking"" in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



	Mandatory hand protection	NON-disposable chemical protective gloves	EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.
D	Ocular and facial	protection		





PU 400 MARINE - Polyurethane marine wood adhesive D4

24-61

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

	HON U. EXI USURE					
	Pictogram	PPE	Labelling	CEN Standard		Remarks
	Mandatory face protection	Face mask		EN 166:2001 EN 167:2001 EN 168:2001 EN 172:1994/A1:2000 EN 172:1994/A2:2001 EN ISO 4007:2012		and disinfect periodically according to cturer 's instructions. Use if there is a risk of splashing.
	E Bodily protection					
	Pictogram	PPE	Labelling	CEN Standard		Remarks
	Mandatory complete body protection	Disposable clothing for protection against chemical risks		EN 13034:2005+A1:2009 EN 168:2001 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2001 EN ISO 6530:2005 EN 464:1994		essional use only. Clean periodically to the manufacturer 's instructions.
	Mandatory foot protection	Safety footwear for protection against chemical risk		EN ISO 20345:2011 EN 13832-1:2006 EN ISO 20344:2011	Replace	boots at any sign of deterioration.
1	F Additional emerge	ency measures				
	Emergency mea	asure St	andards	Emergency measu	ire	Standards
	Emergency sho	ISO 3	SI Z358-1 864-1:2002	Eyewash stations	s	DIN 12 899 ISO 3864-1:2002
	Environmental exp	acura controla				
	V.O.C. (Supply): V.O.C. density at 20 ° Average carbon numb Average molecular we	per: Non-applicable				
SECT	FION 9: PHYSICAL A	AND CHEMICAL PROP	PERTIES			
9.1		sic physical and chemi		c'		
J.1		tion see the product data		31		
	Appearance:					
	Physical state at 20 °	C: Liquid				
	Appearance:	Fluid				
	Color:	Brown				
	Odor:	Characteristic				
	Volatility:					
	Boiling point at atmos	spheric pressure.	Non-app	licable *		
	Vapour pressure at 20		Non-app Non-app			
	Vapour pressure at 5		Non-app			
				licable *		
	Evanoration rate at 1	0 001				
	Evaporation rate at 2 Product description		моп-арр			
	Product description					





24-61

SECT	TION 9: PHYSICAL AND CHEM	ICAL PROPER	TIES (continue)
	Density at 20 °C:		1199 kg/m³
	Relative density at 20 °C:		1,199
	Dynamic viscosity at 20 °C:		8000 cP
	Kinematic viscosity at 20 °C:		Non-applicable *
	Kinematic viscosity at 40 °C:		Non-applicable *
	Concentration:		1130 g/L (active ingredient)
	pH:		Non-applicable *
	Vapour density at 20 °C:		Non-applicable *
	Partition coefficient n-octanol/wat	or 20 0C.	Non-applicable *
	Solubility in water at 20 °C:	er 20 °C.	Non-applicable *
	Solubility property:		Non-applicable *
			-260 °C
	Decomposition temperature:		
	Melting point/freezing point:		Non-applicable *
	Flammability:		
	Flash Point:		ammable (>60 °C)
	Autoignition temperature:	520 °C	
	Lower flammability limit:	Non-ap	oplicable *
	Upper flammability limit:	Non-ap	oplicable *
9.2	Other information:		
	Surface tension at 20 °C:	Non-applicable	e *
	Refraction index:	Non-applicable	e *
	*Not relevant due to the nature of the p	roduct, not providing	g information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Combustive materials	Combustible materials	Others
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:





24-61

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

No experimental information is available on the product itself in relation to the toxicological properties. When performing the danger classification on corrosive or irritant effects the recommendations included in section 3.2.5 of Annex VI of Directive 67/548/EC, in paragraphs b) and c) of section 3 of article 6 of Directive 1999/45/EC and in section 3.2.3.3.5. of Annex I of CLP Regulation were taken into account.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A.- Ingestion:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

B- Inhalation:

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of concentration.

C- Contact with the skin and the eyes:

Produces skin inflammation.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.

E- Sensitizing effects:

Prolonged exposure can result in specific respiratory hypersensitivity.

F- Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

Exposure in high concentrations can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and in serious cases, loss of concentration.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	A	Acute toxicity	
Methylenediphenyl diisocyanate	LD50 oral	5100 mg/kg	Rat
CAS: 26447-40-5	LD50 dermal	5100 mg/kg (ATEi)	Rabbit
EC: 247-714-0	LC50 inhalation	11 mg/L (4 h) (ATEi)	
4,4 '-methylenediphenyl diisocyanate	LD50 oral	7616 mg/kg	Rat
CAS: 101-68-8	LD50 dermal	10000 mg/kg (ATEi)	Rabbit
EC: 202-966-0	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Diphenylmethanediisocyanate-prepolymer	LD50 oral	Non-applicable	
CAS: 112898-48-3	LD50 dermal	Non-applicable	
EC: Non-applicable	LC50 inhalation	11 mg/L (4 h) (ATEi)	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the product itself is not available

12.1 Toxicity:

Identification		Acute toxicity	Specie	Genus
4,4 '-methylenediphenyl diisocyanate	LC50	1000 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 101-68-8	EC50	Non-applicable		
EC: 202-966-0	EC50	Non-applicable		
Doroictoneo and dogradahility				

12.2 Persistence and degradability:





24-61

SECTION 12: ECOLOGICAL INFORMATION (continue)

Not available

12.3 Bioaccumulative potential:

Identification	В	Bioaccumulation potential	
4,4 '-methylenediphenyl diisocyanate	BCF	150	
CAS: 101-68-8	Pow Log	4,51	
EC: 202-966-0	Potential	High	

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		Volatility	
4,4 '-methylenediphenyl diisocyanate	Кос	Non-applicable	Henry	Non-applicable	
CAS: 101-68-8	Conclusion	Non-applicable	Dry soil	Non-applicable	
EC: 202-966-0	Surface tension	20680 N/m (283,45 °C)	Moist soil	Non-applicable	

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

	Code	Description	Waste class (Directive 2008/98/EC)			
	08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances	Dangerous			
1	Waste management (disposal and evaluation):					

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2000/532/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) nº1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Contains more than 0,1 % of Methylenediphenyl diisocyanate, 4,4 '-methylenediphenyl diisocyanate by weight. This product may not be distributed in its present form for first-time sale to the general public after 27th December 2010 unless the packaging contains protective gloves meeting the provisions of European Council Directive 89/686/CEE.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.





24-61

SECTION 15: REGULATORY INFORMATION (continue)

Other legislation:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009, 2009 No. 716 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885 Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits The Waste Regulations 2011, 2011 No. 988 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) Nº 1907/2006 (Regulation (EC) Nº 453/2010)

Modifications related to the previous security card which concerns the ways of managing risks. : Non-applicable

Text of R-phrases considered in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

Directive 67/548/EC and Directive 1999/45/EC:

R20: Harmful by inhalation R36/37/38: Irritating to eyes, respiratory system and skin R40: Limited evidence of a carcinogenic effect R42/43: May cause sensitisation by inhalation and skin contact R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

CLP Regulation (EC) nº 1272/2008:

Acute Tox. 4: H332 - Harmful if inhaled Carc. 2: H351 - Suspected of causing cancer Eye Irrit. 2: H319 - Causes serious eye irritation Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1: H317 - May cause an allergic skin reaction STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure STOT SE 3: H335 - May cause respiratory irritation

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://esis.jrc.ec.europa.eu http://echa.europa.eu

http://eur-lex.europa.eu

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road

-IMDG: International maritime dangerous goods code

-IATA: International Air Transport Association

-ICAO: International Civil Aviation Organisation

-COD: Chemical Oxygen Demand

-BOD5: 5-day biochemical oxygen demand

-BCF: Bioconcentration factor

-LD50: Lethal Dose 50

-CL50: Lethal Concentration 50 -EC50: Effective concentration 50

-Log-POW: Octanol-water partition coefficient

-Koc: Partition coefficient of organic carbon





PU 400 MARINE - Polyurethane marine wood adhesive D4

24-61

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awarenees or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.