SAFETY DATA SHEET (REACH) In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2020/878

	danosa Building together	DANOPRIMER PU				
Version	n: 4 Revis	sion: 02/03/2023	Pr	evious revision: 14/03/2022	Da	ate of printing: 02/03/2023
SECTION	1: IDENTIFICATION OF	THE SUBSTANCE/MIXTURE	AND OF THE C	COMPANY/UNDERTAKI	١G	
1.1	PRODUCT IDENTIFIE DANOPRIMER PU UFI: 8W40-R0MP-J00Y-					
1.2	ISED AGAINST:					
			Industrial [X] F	Professional [] Consun	ners	
	Single-component polyu	rethane primer.				
	Sectors of use: Professional uses (SU22	2)				
	Uses advised against:	-)-				
		nmended for any use or sector	r of use (industri	al, professional or consur	mer) other than those	previously listed as
	"Intended or identified us	ses". acture, placing on market ar	nd use accordi	ng to Anney XV/II of Re	gulation (EC) No. 10	07/2006.
		enyl diisocyanate (MDI):Shall				
	concentrations equal to	or greater than 0,1% by weight	t MDI for supply	to the general public, unl	ess suppliers ensure b	pefore placing on the
	market that the packagir	ng: a) Contains protective glove ad indelibly as follows: ´Person	es which comply as already sensit	with the requirements of ised to diisocyanates ma	Regulation (EU) No. 2	2016/425, and b) Is
	product', 'Persons suffe	ring from asthma, eczema or s	kin problems sh	ould avoid contact, includ	ling dermal contact, w	ith this product, and
		be used under conditions of p N 14387) is used´. 2. By way o				
	not apply to storage, kee	ping, treatment, filling into con				
	more details consult the	original legislative text. Shall not be placed on the ma	rket as substand	ses on their own as a cor	stituent in other subst	ances or in mixtures
	for industrial and profess	ional use(s) after 24 February	2022, unless: (a	a) the concentration of dii	socyanates individuall	y and in combination
		ight, or (b) the supplier ensure				
		d to in point (b) of paragraph 1 he label information: 'As from 2				
	For more details consult	the original legislative text.	-			
1.3		PPLIER OF THE SAFETY [
		S ASFÁLTICOS NORMALIZAD or 9 - 19290 Fontanar (Guada				
	-	210 - Fax: 949 888 223 - www.	• •			
		e person responsible for the	Safety Data Sh	<u>neet:</u>		
	info@danosa.com EMERGENCY TELEP					
1.4	902 422 452 8:30-17:30					
	National	Poisons Information Service (N	NPIS) - In Englai	nd, Wales or Scotland: di	al 111 - In N Ireland: c	ontact your local GP or
	MP/S pharmac	ist during normal hours.				
SECTION	12: HAZARDS IDENTIFI	CATION				
2.1	CLASSIFICATION OF	THE SUBSTANCE OR MIX	KTURE:			
		s is carried out in accordance v				
	extrapolation methods of	rried out based on these data, f assessing the risk, using the	available data fo	or mixtures similarly class	ified, and c) in the ab	sence of tests and
		allow to apply interpolation or	extrapolation tee	chniques, methods are us	sed to classify risk ass	essment based on the
	data of the individual con	ance with Regulation (EU)	No 1272/2008	~2021/849 (CLP)·		
		h.) 4:H332 Skin Irrit. 2:H315 E			Sens. 1:H317 Carc. 2:	H351 STOT SE (irrit.)
	3:H335 STOT RE 2:H37			I	_	
	Danger class	Classification of the mix	ture Cat.	Routes of exposure	Target organs	Effects
	Physicochemical: Not classified					
	Human health: 🛛 🚯	Acute Tox. (inh.) 4:H332		Inhalation	-	Harmful
	ľ	Skin Irrit. 2:H315 c) Eye Irrit. 2:H319 c)	Cat.2 Cat.2	Skin Eyes	Skin Eyes	Irritation Irritation
		Resp. Sens. 1:H334 c)	Cat.2		Respiratory tract	Allergy, Asthma
		Skin Sens. 1:H317 c)	Cat.1	Skin	Skin	Allergy
		Carc. 2:H351 c) STOT SE (irrit.) 3:H335	Cat.2 c) Cat.3	- Inhalation	- Respiratory tract	Cancer Irritation
		STOT SE (IML) 3:H335 STOT RE 2:H373 c)	C) Cal.3 Cat.2		Respiratory tract Systemic	Damage
	Environment:			1	· · · ·	<u> </u>
	Not classified					
	Full text of hazard stater	nents mentioned is indicated ir	n section 16.			

Note: When in section 3 a range of percentages is used, the health and environmental hazards describe the effects of the highest concentration of each component, but below the maximum value.

SAFETY DATA SHEET (REACH)

	ng together	DANOPRIMER PU		
/ersion: 4		evision: 02/03/2023	Previous revision: 14/03/2022	Date of printing: 02/03/20
2.2 LA	BEL ELEMENTS	<u>.</u>		
			is labelled with the signal word DANGER in acco	rdance with Regulation (EU) No.
			2021/849 (CLP)	3
		\mathbf{v}		
	azard statements			
H3 H3		Suspected of causing cancer.	through prolonged or repeated exposure.	
H3		Harmful if inhaled.	infough profonged of repeated exposure.	
H3		Causes serious eye irritation.		
H3		May cause respiratory irritation	n.	
H3		Causes skin irritation.		
H33	34	May cause allergy or asthma s	symptoms or breathing difficulties if inhaled.	
H3	17	May cause an allergic skin rea	action.	
<u>- P</u>	recautionary stat	<u>ements:</u>		
_	37+P313	If eye irritation persists: Get me		
P28			g and eye protection. In case of inadequate venti	
	03+P361+P353-		mmediately all contaminated clothing. Rinse skin	with water [or shower]. Wash wit
	52-P312		a POISON CENTER or doctor if you feel unwell.	
	04+P340 42+P311		to fresh air and keep comfortable for breathing. ptoms: Call a POISON CENTER or doctor.	
	42+F311 05+P351+P338-		vith water for several minutes. Remove contact le	unses if present and easy to do
P3			call a POISON CENTER or doctor.	
P50			to hazardous or special waste collection point.	
- S	upplementary sta	-		
	H204	Contains isocyanates. May pro	duce an allergic reaction.	
-		Persons already sensitised to o	diisocyanates may develop allergic reactions whe	n using this product.
-		Persons suffering from asthma	, eczema or skin problems should avoid contact,	including dermal contact, with thi
		product.		
-			ed under conditions of poor ventilation unless a pr	otective mask with an appropriate
			g to standard EN 14387) is used.	
-		As from 24 August 2023 adequ	ate training is required before industrial or profes	sional use.
- S	ubstances that c	ontribute to classification:		
			/mer with alpha-hydro-omega-hydroxypoly(oxy(m	ethyl-1,2-ethanediyl)]
		ocyanate polymer (PMDI)		
	'-methylenedipher	, ,		
	HER HAZARDS			
			may contribute to the overall hazards of the mixtu	re:
	ther physicocher			
		verse effects are known.		
		<u>man health effects:</u>	decominante Declarate de contrato en contrato en la	
			drowsiness. Prolonged contact may cause skin d chitis) should not handle this product.	ryness. People with hypersensitiv
		vironmental effects:		
		stances that fulfil the PBT/vPvB cr	iteria.	
	docrine disrupting			
			ne disrupting properties identified or under evalua	tion.
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SAFETY DATA SHEET (REACH)

n accordance with Regulation (E	C) No. 1907/2006 and Regulation (EL	J) No. 2020/878			(Language:EN
Building together	DANOPRIMER PU				
Version: 4 R	evision: 02/03/2023	Previous revision	n: 14/03/2022	Date o	f printing: 02/03/2023
SECTION 3: COMPOSITION/II	NFORMATION ON INGREDIENTS				
3.1 <u>SUBSTANCES:</u>	\ \				
3.2 MIXTURES:	ure).				
This product is a mix	tture.				
Chemical descripti					
Solution of chemical					
HAZARDOUS ING Substances taking p	art in a percentage higher than the	exemption limit			
50 < C < 60 %	Isocyanic acid, polymethylenepol omega-hydroxypoly(oxy(methyl-1 CAS: 53862-89-8, EC: Polymer, F CLP: Danger: Acute Tox. (inh.) 4: Resp. Sens. 1:H334 Skin Sens. 3:H335 STOT RE 2:H373	yphenylene ester, polymer ,2-ethanediyl)] REACH: Exempt (polymer) H332 Skin Irrit. 2:H315 E	Eye Irrit. 2:H319	Autoclassified Notified	
15 < C ≤ 20 %	Propylene carbonate CAS: 108-32-7, EC: 203-572-1, F CLP: Warning: Eye Irrit. 2:H319	REACH: 01-2119537232-48	3	REACH / CLP00	
15 < C ≤ 20 %	Diphenylmethane diisocyanate po	alumar (PMDI)		Autoclassified	
	CAS: 9016-87-9, EC: 618-498-9, CLP: Danger: Acute Tox. (inh.) 4: Resp. Sens. 1:H334 Skin Sens. 3:H335 STOT RE 2:H373	REACH: Exempt (polymer H332 Skin Irrit. 2:H315 E	Eye Irrit. 2:H319	Notified	
5 < C ≤ 10 %	4,4'-methylenediphenyl diisocyar			EACH / ATP01	Skin Irrit. 2, H315: C ≥5 %
	CAS: 101-68-8, EC: 202-966-0, F CLP: Danger: Acute Tox. (inh.) 4:				Eye Irrit. 2, H319: C ≥5 %
	Resp. Sens. 1:H334 Skin Sens. 3:H335 STOT RE 2:H373				C ≥ 3 % Resp. Sens. 1, H334 C ≥0,1 % STOT SE (irrit.) 3 H335 C ≥5 %
SUBSTANCES OF List updated by ECH Substances SVHC None. <u>Substances SVHC</u> None. <u>PERSISTENT, BIC</u> <u>SUBSTANCES:</u>	n on hazardous ingredients, see sec <u>VERY HIGH CONCERN (SVHC</u>	<u>):</u> d in Annex XIV of Regula ex XIV of Regulation (EC BT, OR VERY PERSISTE) no. 1907/2006:		<u>.E VPVB</u>
SECTION 4: FIRST AID MEAS					
	FIRST AID MEASURES:				
Symptoms m seek medica	ay occur after exposure, so that in o I attention.Never give anything by m recommended protective equipment	outh to an unconscious pe	rson.Lifeguards shou	ld pay attention to	self-protection
Route of exposure	Symptoms and effects, ac	ute and delayed	Description of first-ai	d measures	
Inhalation:	Inhalation of solvent vapor headache, dizziness, fatig drowsiness and, in extrem unconsciousness.Inhalatio mucus, coughing and brea	ue, muscular weakness, le cases, on produces irritation to athlessness.	Remove the patient of fresh air.If breathing artificial respiration.If appropriate recovery at rest until medical a	is irregular or stop the person is unc position.Keep the attention arrives.	os, administer conscious, place ir e patient warm and
Skin:	cause skin dryness.	ess.Prolonged contact may	thoroughly the affect lukewarm water and cleanser.Do not use	ed area with plent neutral soap, or u solvents or thinne	y of cold or se a suitable skin rs.
Eyes:	Contact with the eyes proc	duces redness and pain.	Remove contact lens irrigation with plenty minutes, holding the reduced.Call a physic	of clean, fresh wa eyelids apart, unti	ter for at least 15

	danosa Building together	DANOPRIMER PU			
Versior	n: 4 Revis	sion: 02/03/2023	Previous revision	on: 14/03/2022	Date of printing: 02/03/2023
	Ingestion:	lf swallowed, may cause irrita abdominal pain, drowsiness, diarrhoea.			e vomiting, due to the risk of op the patient at rest.
4.2		SYMPTOMS AND EFFECTS, BO		LAYED:	
		d effects are indicated in sections 4			
4.3		IMMEDIATE MEDICAL ATTEN	TION AND SPECIAL	IREAIMENI	NEEDED:
	Notes to physician: Treatment should be dim Antidotes and contrain Specific antidote not kno		nd the clinical condition	of the patient	
SECTION	5: FIREFIGHTING MEA				
	EXTINGUISHING MEA				
5.1	Extinguishing powder or				
5.2		ARISING FROM THE SUBSTAN			
0.2	As consequence of com nitrogen oxides, isocyan health.	bustion or thermal decomposition, ate vapors, traces of hydrocyanic a	hazardous products ma		carbon monoxide, Carbon dioxide, position products may be a hazard to
5.3	ADVICE FOR FIREFIC	<u>GHTERS:</u>			
	protective glasses or fac sheltered position or from Other recommendation	e of fire, heat-proof protective cloth ce masks and boots.If the fire-proof m a safe distance.The standard EN <u>ns:</u>	protective equipment is 469 provides a basic le	s not available of protection	
		s, cisterns or containers close to so drains, sewers or water courses.	ources of heat or fire.Be	ear in mind the o	direction of the wind.Do not allow fire-
SECTION	6: ACCIDENTAL RELEA				
6.1		ITIONS, PROTECTIVE EQUIPM			
0.1					oid direct contact with this product.Avoid
6.2		people without protection in oppos			
6.3	Avoid contamination of o lakes, rivers or sewages		in accordance with loc		pills or when the product contaminates
0.0	Contain and mop up spil should be cleaned up im isopropanol and concen made up of water and so	lls with absorbent materials (sawdu nmediately with a suitable decontan trated ammonia solution (d=0,880)	st, earth, sand, vermicuninant. One possible (fla = 45/50/5 parts by volu eight. Add the same dee	ammable) deco ime. Another po contaminant to	ous earth, etc). The contaminated area intaminant comprises: water, ethanol or issible (non-flammable) decontaminant is any residues and allow to stand for several tainer.
6.4	REFERENCE TO OTH	HER SECTIONS:			
	For information on safe For exposure controls a	in case of emergency, see section ⁻ handling, see section 7. nd personal protection measures, s w the recommendations in section	ee section 8.		
SECTION	7: HANDLING AND STO				
7.1	PRECAUTIONS FOR				
	Comply with the existing <u>- General recommend</u> Avoid any type of leakag) legislation on health and safety at <u>ations:</u> ge or escape.Keep the container tig	htly closed.		
		or the prevention of fire and expl		_	
	possibility of ignition.	nmability does not represent a serie		of measures sh	ould be taken in order to avoid any
	Flashpoint		200 °C	_	CLP 2.6.4.3.
	Autoignition temperature		Not applicable Not available		
	Ventilation requirement:	or the prevention of toxicological			
	People with a history of isocyanate containing pr	asthma, allergies, chronic or recurr	ent respiratory disease or smoke while handling		employed in any process in which , wash hands with soap and water. For
	- Recommendations for	or the prevention of environment nger to the environment. In the cas	al contamination:	. follow the inst	ructions indicated in section 6
7.2		AFE STORAGE, INCLUDING A			

FETY DATA SHEE	n (EC) No. 1907/2006 and Re	gulation (E	EU) No. 2020/87	78			(Page 5/1 Language:E
danosa Building together	DANOPRIMER PU						<	<u>ک (ا</u>
rsion: 4	Revision: 02/03/2023		F	Previous revision	on: 14/03/2022		Date of printi	ing: 02/03/202
Avoid extreme hu may be formed w to the sensitivity example. In orde information, see - Class of store According to curr - Maximum stor 12 Months. - Temperature i min:10 °C, max: - Incompatible r Keep away from - Type of packa According to curr - Limit quantity Not applicable (tt S SPECIFIC END For the use of thi CONTROL PAR If a product conta	ent legislation. age period: <u>nterval:</u> 30 °C (recommended). <u>naterials:</u> acids, alkalis, water, amines <u>ging:</u> ent legislation. (<u>Seveso III): Directive 201</u> ne classification criteria are r <u>USE(S):</u> s product particular recomm <u>CONTROLS/PERSONAL PR</u> <u>RAMETERS:</u> anins ingredients with exposu	ons should an result i es, this pro- tainers, af s, alcohols <u>2/18/EU:</u> not met). eendations COTECTIC re limits, r	I be taken to m n pressurisatio oduct should be ter use, should Clean the app and the app a apart from the approximation of the app a apart from the app	inimise expo n. Care shou e kept in the be closed ca lication equip at already ind	sure to atmospl ild be taken who original contain arefully and place pment with a co licated are not a	heric humidity en re-opening er, or under pro- ced in a vertica mpatible solve available.	or water, as car partly used com essure of dried al position. For r ent.	bon dioxide tainers. Due nitrogen, fo nore
effectiveness of t	ains ingredients with exposu- he ventilation or other contro EN14042 and EN482 standa	ol measur	es and/or the n	ecessity to u	ise respiratory p	protective equi	pment. Referen	ce should b
exposure to cher determination of	nical and biological agents. I dangerous substances.	Reference	e should be also					
exposure to cher determination of <u>- OCCUPATION</u>	nical and biological agents. I dangerous substances. IAL EXPOSURE LIMIT V.	Reference ALUES (e should be also <u>WEL)</u>		ational guidance		or methods for th	
exposure to cher determination of	nical and biological agents. I dangerous substances. IAL EXPOSURE LIMIT V.	Reference ALUES (e should be also		ational guidance			
exposure to cher determination of <u>- OCCUPATION</u> EH40/2005 WEL Kingdom) 2018	nical and biological agents. I dangerous substances. IAL EXPOSURE LIMIT V.	Reference ALUES (e should be also <u>WEL)</u> WEL-TWA	o made to na	ational guidance	documents fo	or methods for th	ne
exposure to cher determination of <u>- OCCUPATION</u> EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4´-methylenedi WEL - Workplace	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim	Reference ALUES (Year 1988 1988 ne Weighte	e should be also <u>WEL)</u> WEL-TWA ^{ppm} 0,005 0,005	o made to na ^{mg/m3} 0,052 0,052	WEL-STEL ppm - -	e documents fo mg/m3 - -	Remarks	
exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim censitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> i level (DNEL) is a level of ex CH. DNEL values may differ a particular company, a gor	ALUES (Year 1988 1988 ne Weighte	e should be also <u>WEL)</u> WEL-TWA ppm 0,005 0,005 ed Average (8 at is considered cupational exported regulatory age	mg/m3 0,052 0,052 hours), STEI	WEL-STEL PPM - - - Short Term E ved from toxicity DEL) for the san	mg/m3 - Exposure Limit	g to specific gui	idances come
exposure to cher determination of <u>- OCCUPATION</u> EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s <u>- BIOLOGICAL</u> Not established <u>- DERIVED NO</u> Derived no-effect included in REAC recommended by health, the OEL	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V.</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim censitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> - <u>EFFECT LEVEL (DNEL)</u> : I level (DNEL) is a level of ex CH. DNEL values may differ	ALUES (Year 1988 1988 ne Weighte	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 at is considered cupational export regulatory age ent of REACH. <u>DNEL Inhalation</u>	mg/m3 0,052 0,052 hours), STEI	WEL-STEL PPM - - - Short Term E - - Short Term E PEL for the san ganization of ex	e documents fo mg/m3 - Exposure Limit data accordin ne chemical. C perts. Although	g to specific gui EL values may considered pro	idances come
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exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by health, the OEL V - DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim sensitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> : level (DNEL) is a level of ex CH. DNEL values may differ <i>y</i> a particular company, a gor values are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: <i>y</i> methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)]	Reference ALUES (Year 1988 1988 1988 ne Weighte r,	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 and is considered cupational exponention regulatory age ent of REACH. <u>DNEL Inhalation</u> mg/m3 - (a)	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI cd safe, deriv osure limit (C ncy or an org	WEL-STEL ppm - - - Short Term E ved from toxicity DEL) for the san ganization of ex <u>DNEL Cutaneous</u> mg/kg bw/d - (a)	documents fo mg/m3 - - Exposure Limit data accordin ne chemical. C perts. Although - - (c)	g to specific gui EL values may considered pro <u>DNEL Oral</u> mg/kg bw/d – (a)	idances come otective of – (c)
exposure to cher determination of <u>- OCCUPATION</u> EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s Si - May cause s <u>- BIOLOGICAL</u> Not established <u>- DERIVED NO</u> Derived no-effect included in REAC recommended by health, the OEL DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane Diphenylmethane of	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim ensitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> - <u>EFFECT LEVEL (DNEL)</u> : Hevel (DNEL) is a level of ey CH. DNEL values may differ v a particular company, a gov ralues are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI)	Reference ALUES (Year 1988 1988 1988 ne Weighte r,	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 and is considered cupational exponent regulatory age ent of REACH. <u>DNEL Inhalation</u> mg/m3 - (a) - (a)	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI cosure limit (C ncy or an org - (c) - (c)	WEL-STEL ppm - - - Short Term E ved from toxicity DEL) for the san ganization of ex DNEL Cutaneous mg/kg bw/d - (a) - (a)	e documents fo mg/m3 - - Exposure Limit Exposure Limit ne chemical. C perts. Although - - (c) - (c)	g to specific gui EL values may considered pro <u>DNEL Oral</u> mg/kg bw/d – (a) – (a)	idances come otective of - (c) - (c)
exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by health, the OEL V - DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim ensitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> : level (DNEL) is a level of ex- the DNEL values may differ a particular company, a gor ralues are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: /methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI) ienyl diisocyanate	Reference ALUES (Year 1988 1988 1988 ne Weighte r,	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 and is considered cupational exponention regulatory age ent of REACH. <u>DNEL Inhalation</u> mg/m3 - (a)	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI cd safe, deriv osure limit (C ncy or an org	WEL-STEL ppm - - - Short Term E ved from toxicity DEL) for the san ganization of ex <u>DNEL Cutaneous</u> mg/kg bw/d - (a)	documents fo mg/m3 - - Exposure Limit data accordin ne chemical. C perts. Although - - (c)	g to specific gui EL values may considered pro <u>DNEL Oral</u> mg/kg bw/d – (a)	idances come otective of – (c)
exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by health, the OEL NO - DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane Diphenylmethane of 4,4'-methylenediph Propylene carbona	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim censitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> : level (DNEL) is a level of ex CH. DNEL values may differ v a particular company, a go values are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: vmethylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI) nenyl diisocyanate te FECT LEVEL, WORKERS:- Lo	ALUES (Year 1988 1988 1988 ne Weighte xposure th from a oc vernment ess different r,	e should be also <u>WEL)</u> WEL-TWA ppm 0,005 0,005 ed Average (8 at is considered cupational expor- regulatory age ent of REACH. <u>DNEL Inhalation</u> mg/m3 - (a) 0,1 (a)	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI cosure limit (C ncy or an org - (c) - (c) 0,05 (c)	ved from toxicity DEL) for the san ganization of ex DNEL Cutaneous mg/kg bw/d - (a) 50 (a)	e documents fo mg/m3 - - Exposure Limit e chemical. C perts. Although - - (c) - (c) - (c) 50 (c)	g to specific gui EL values may considered pro <u>DNEL Oral</u> <u>mg/kg bw/d</u> – (a) – (a)	idances come otective of - (c) - (c) - (c)
exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by health, the OEL V - DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane Diphenylmethane of 4,4'-methylenediph Propylene carbona - DERIVED NO-EF effects, acute and of Isocyanic acid, poly	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V.</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim rensitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> : level (DNEL) is a level of e: CH. DNEL values may differ a particular company, a go ralues are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: (methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI) lenyl diisocyanate te FECT LEVEL, WORKERS:- Lo chronic: (methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy	Reference ALUES (Year 1988 1988 1988 ne Weighte r, r, r, r, r,	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 at is considered cupational exponent regulatory age ent of REACH. <u>DNEL Inhalation</u> - (a) 0,1 (a) - (a) <u>DNEL Inhalation</u>	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI cosure limit (C ncy or an org - (c) - (c) 0,05 (c)	ved from toxicity DEL) for the san ganization of ex <u>DNEL Cutaneous</u> mg/kg bw/d - (a) 50 (a) - (a) <u>DNEL Cutaneous</u>	e documents fo mg/m3 - - Exposure Limit e chemical. C perts. Although - - (c) - (c) - (c) 50 (c)	g to specific gui EL values may considered pro <u>DNEL Oral</u> mg/kg bw/d – (a) – (a) – (a) – (a) – (a)	idances come otective of - (c) - (c) - (c)
exposure to cher determination of - OCCUPATION EH40/2005 WEL Kingdom) 2018 Diphenylmethane (PMDI) 4,4'-methylenedi WEL - Workplace Sc - May cause s Si - May cause s Si - May cause s Si - May cause s - BIOLOGICAL Not established - DERIVED NO Derived no-effect included in REAC recommended by health, the OEL V - DERIVED NO-EF Systemic effects, a Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane Diphenylmethane of 4,4'-methylenediph Propylene carbona - DERIVED NO-EF effects, acute and of Isocyanic acid, poly polymer with alpha (methyl-1,2-ethane	nical and biological agents. I dangerous substances. <u>VAL EXPOSURE LIMIT V</u> s (United e diisocyanate polymer phenyl diisocyanate e Exposure Limit, TWA - Tim ensitization by skin contact. ensitization by skin contact. ensitization by inhalation. <u>LIMIT VALUES:</u> <u>-EFFECT LEVEL (DNEL)</u> : elevel (DNEL) is a level of ex CH. DNEL values may differ a particular company, a gor values are derived by a proce FECT LEVEL, WORKERS:- cute and chronic: methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI) nenyl diisocyanate te FECT LEVEL, WORKERS:- Lo chronic: methylenepolyphenylene ester -hydro-omega-hydroxypoly(oxy diyl)] liisocyanate polymer (PMDI) nenyl diisocyanate polymer (PMDI)	Reference ALUES (Year 1988 1988 1988 ne Weighte r, r, r, r, r,	e should be also <u>WEL</u>) WEL-TWA ppm 0,005 0,005 ed Average (8 at is considered cupational expo regulatory age ent of REACH. <u>DNEL Inhalation</u> mg/m3 - (a) 0,1 (a) - (a) <u>DNEL Inhalation</u> mg/m3	o made to na mg/m3 0,052 0,052 hours), STEI hours), STEI concy or an org - (c) - (c) 0,05 (c) 176 (c)	WEL-STEL ppm - - - Short Term E - - Short Term E DNEL Cutaneous mg/kg bw/d - (a) 50 (a) - (a) <u>DNEL Cutaneous</u> mg/cm2	e documents fo mg/m3 - - Exposure Limit e chemical. C perts. Although - - (c) - (c) - (c) - (c) 50 (c)	g to specific gui (15 min). (15 min). (15 min). <u>DNEL Oral</u> mg/kg bw/d – (a) – (a) – (a) – (a) <u>DNEL Eyes</u> mg/cm2	idances come otective of - (c) - (c) - (c) - (c)

<u>- Derived no-effect level, general population:</u> Not applicable (product for professional or industrial use).

Face shield:

No.

Building toge		DANOPRIMER PU				<	
rsion: 4	Revis	ion: 02/03/2023	Previous re	evision: 14/03/2022	1	Date of print	ing: 02/03/2023
(-) - DNEI b/r - DNE m/r - DNE	not available (not derived (lo not derived (lo	posure, (c) - Chronic, long-t without data of registration I ow hazard). medium hazard). FECT CONCENTRATION	REACH).				
		CT CONCENTRATION.	PNEC Fresh water	PNEC Marine		PNEC Intermitter	nt
AQUATIC water and	ORGANISMS intermittent re	<u>- Fresh water, marine</u> lease:	mg/l	mg/l		mg/l	_
ester, po hydroxyp	ymer with alp oly(oxy(methy	thylenepolyphenylene ha-hydro-omega- /l-1,2-ethanediyl)]	-		-		-
(PMDI)		cyanate polymer I diisocyanate	-		- 0.1		- 10
	e carbonate	ranoooyanato	0.9		0.09		9
- WASTE	WATER TREAT	MENT PLANTS (STP) RESH- AND MARINE	PNEC STP mg/l	PNEC Sediment		PNEC Sediments	-
Isocyanio ester, po	ymer with alp	thylenepolyphenylene ha-hydro-omega-	-		-		-
	• • • • •	/l-1,2-ethanediyl)] cyanate polymer	-		-		-
4,4'-metl	nylenedipheny	l diisocyanate	1		-		-
	e carbonate		7400	PNEC Soil	-	PNEC Oral	-
TERRES		<u>CT CONCENTRATION,</u> ISMS:- Air, soil and humans:	mg/m3	mg/kg dw/d		<u>PNEC Oral</u> mg/kg dw/d	
ester, po	ymer with alp	thylenepolyphenylene ha-hydro-omega- /l-1,2-ethanediyl)]	-		-		-
Diphenyl (PMDI)	methane diiso	cyanate polymer	-		-		-
Propylen	e carbonate	l diisocyanate e (without data of registra	s/r -		1 0.81		n/b -
n/b - PNE s/r - PNE	EC not derived C not derived	l (not bioaccumulative pot (not identified hazard).					
	IRE CONTRO ERING MEAS						
	© * T	by the are no	le adequate ventilation. use of local exhaust ve t sufficient to maintain o	ntilation and goo concentrations of	d general ex particulates	xtraction.If these and vapours be	e measures elow the
- Protecti	on of respirate	•	oational Exposure Limits	, suitable respira	iory protecti	ion must de Wor	11.
	inhalation of va						
	<u>on of eyes an</u>			under class (-1)	una alcia a		
- Protecti	<u>on of hands a</u>	tall water taps, sources or e <u>nd skin:</u> tall water taps or sources wi					ct the
exposed a	areas of the ski TIONAL EXP	n.Barrier creams should not OSURE CONTROLS: RE	be applied once exposure EGULATION (EU) NO. 2	e has occurred. 016/425:			
with the c character the manu	orresponding m		on on personal protective , category, CEN norm, etc	equipment (storage), you should cor	e, use, cleani nsult the infor	ng, maintenance, mative brochures	, type and s provided by
Mask:		✓ filters, type A2-P2 (EN be selected depending accordance with the s	ork, you can consider th I14387/EN143).In order g on the type and conce pecifications supplied b erators, whether sprayin	to obtain a suitat ntration of the co y the filter produc	ole protectio ntaminating ers.lf the wo	n level, the filter agents present orking area is in:	class must , in
Safety d	oggles:	Safety goggles design		-		-	

SAFETY DATA SHEET (REACH) In accordance with Regulation (EC) No. 1907/2006 and Regulation (EU) No. 2020/878

Page 7/14 (Language:EN)

danosa Building together	DANOPRIMER PU		
Version: 4	Revision: 02/03/2023	Previous revision: 14/03/2022	Date of printing: 02/03/2023
Gloves:	expected, gloves of protection min. When short contact should be used, with a b material should be in accent example, temperature), the chemicals is clearly lower circumstances and possible taken into account. Use the taken into account.	chemicals (EN374).When repeated or p ection level 5 or higher should be used, with the product is expected, use gloves reakthrough time >30 min.The breakthro cordance with the pretended period of us they do in practice the period of use of a er than the established standard EN374. ibilities, the instructions/specifications p he proper technique of removing gloves t of the product with the skin.The gloves is noted.	with a breakthrough time of >240 s with a protection level 2 or higher ough time of the selected glove se.There are several factors (for a protective gloves resistant against .Due to the wide variety of rovided by the glove supplier should be s (without touching glove's outer
Boots:	No.		
Apron:	No.		
Clothing:	No.		
ENVIRONMENTA Avoid any spillage in <u>Spills on the soil</u> Prevent contaminati <u>Spills in water</u> Do not allow to esc <u>Water Manage</u> This product does in 2000/60/EC~2013/3 <u>Emissions to the</u> Because of volatility <u>VOC (product read</u> It is applicable the E AND VARNISHES (ready for use*): (DA <u>VOC (industrial ins</u> If this product is use limitation of emissio	on of soil. ape into drains, sewers or water com- ement Act: ot contain any substance included in 19/EU. <u>atmosphere:</u> , emissions to the atmosphere while dy for use*): Directive 2004/42/EC, on the limitation defined in the Directive 2004/42/EC NOPRIMER PU Cod. 750504 = 100 <u>stallations</u>): d in an industrial installation, it mus ns of volatile compounds due to the	se into the atmosphere.	elease into the atmosphere. to the use of organic solvents: PAINTS ing primer, solvent-borne. VOC (product rting from 01.01.2010) 2010/75/CE (DL.127/2013, on the s and installations: Solvents: 20,00 %

	danosa	DANOPRIMER PU		
l ersior	Building together	/ision: 02/03/2023	Previous revision: 14/03/2022	Date of printing: 02/03/20
ECTION	N 9: PHYSICAL AND CH	EMICAL PROPERTIES		
9.1	INFORMATION ON	BASIC PHYSICAL AND CHEM	MICAL PROPERTIES:	
	Appearance			
	Physical state:		Liquid	
	Colour:		Colourless Brownish	
	Odour:		Characteristic	
	Odour threshold:		Not available (mixture).	
	Change of state			
	Melting point:		Not available (mixture).	
	Initial boiling point:		Not applicable.	
	- Flammability:			
	Flashpoint		200 °C	CLP 2.6.4.3.
	Lower/upper flammabi		Not available	
	Autoignition temperatu	re:	Not applicable.	
	<u>Stability</u>			
	Decomposition temper	ature:	240,00* °C	
	<u>pH-value</u>			
	pH:		Not applicable (non-aqueous media).	
	- Viscosity:			
	Dynamic viscosity:		400 ± 100 cps 25°C	
	Kinematic viscosity:		154,46* mm2/s at 40°C	
	- Solubility(ies):			
	Solubility in water		Inmiscible	
	Liposolubility:		Not applicable (inorganic product).	
	Partition coefficient: n-	octanol/water:	Not applicable (mixture).	
	- Volatility:			
	Vapour pressure:		0,03* mmHg at 20⁰C	
	Vapour pressure:		0,0421* kPa at 50°C	
	Evaporation rate:		Not available (lack of data).	
	Density			
	Relative density:		1,160 ± 0,02 at 20/4°C	Relative water
	Relative vapour densit	y:	3,53* at 20°C 1 atm.	Relative air
	Particle characteristi	<u>cs</u>		
	Particle size:		Not applicable.	
	- Explosive propertie	es:		
	Vapours can form exp	losive mixtures with air and are a	able to flame up or explode in presence of an ignitior	n source.
	- Oxidizing propertie	es:		
	Not classified as oxidiz	zing product.		
	*Estimated values bas	ed on the substances composing	the mixture.	
9.2	OTHER INFORMAT	ION:		
	Information regarding	<u>g physical hazard classes</u>		
	No additional information	on available.		
	Other security featur	<u>es:</u>		
	Heat of combustion:		Not applicable.	
	VOC (supply):		20,0 % Weight	
	VOC (supply):		232,0 g/l	
	Nonvolatile:		80,00 * % Weight	1h. 60°C
	Isocyanates:		Not available.	
			ct specifications. The data for the product specificati	
			mation concerning physical and chemical properties	related to safety and
	environment, see sect			

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Building together	DANOPRIMER PU			
rsion: 4	Revision: 02/03/2023	Previous revisio	on: 14/03/2022	Date of printing: 02/03/202
TION 10: STABILITY AN	ND REACTIVITY			
.1 <u>REACTIVITY:</u>				
- Corrosivity to n	<u>netals:</u>			
It is not corrosive t	to metals.			
- Pyrophorical p	roperties:			
It is not pyrophoric	.			
.2 CHEMICAL STA				
	mmended storage and handling	conditions.		
	F HAZARDOUS REACTIONS			
	us reaction with acids, alkalis, w	ater, amines, alcohols.Exothermi	c reaction with amines and al	cohols. Reacts with water
.4 <u>CONDITIONS TO</u>	O AVOID:			
<u>- Heat:</u>				
Keep away from s	ources of heat.			
- Light:				
If possible, avoid o	direct contact with sunlight.			
<u>- Air:</u>				
The product is not	affected by exposure to air, but	t should not be left the containers	open.	
- Humidity:				
Avoid humidity.No	t applicable (the product is hand	dled at room temperature).		
- Pressure:				
Not relevant.				
- Shock:				
	sensitive to shocks. but as a re	commendation of a general natu	re should be avoided bumps	and rough handling to avoi
dents and breakag	ge of packaging, especially whe	en the product is handled in large	quantities, and during loading	g and download operations
.5 INCOMPATIBLE	MATERIALS:			- ·
		ohols.Clean the application equip	ment with a compatible solve	nt.
	ECOMPOSITION PRODUCT		· · ·	
As consequence of	of thermal decomposition. hazar	dous products may be produced	including isocvanates.	
TION 11: TOXICOLOGI	· · · · · · · · · · · · · · · · · · ·	1 , 1	<u> </u>	
		noration is available. The taxis	plagical placeification for th	ana mixtura haa haan
No experimental	toxicological data on the pre	paration is available. The toxic		
No experimental carried out by us	toxicological data on the pre ing the conventional calculati	ion method of the Regulation (EU) No. 1272/2008~2021/8	
No experimental carried out by us	toxicological data on the pre ing the conventional calculati ON HAZARD CLASSES AS		EU) No. 1272/2008~2021/8	
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u>	toxicological data on the pre ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>Y:</u>	ion method of the Regulation (DEFINED IN REGULATION (EU) No. 1272/2008~2021/8 EC) NO 1272/2008 :	349 (CLP).
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of	toxicological data on the pre ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>Y:</u> concentrations	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401)	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402)	349 (CLP). CL50 (OECD40
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr	toxicological data on the pre ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>Y:</u> concentrations redients:	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous	849 (CLP). CL50 (OECD40 mg/m3·4h Inhalatio
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane	toxicological data on the pre ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>Y:</u> concentrations	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401)	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous	849 (CLP). CL50 (OECD40 mg/m3·4h Inhalatio
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI)	toxicological data on the pre- ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>TY:</u> concentrations redients: e diisocyanate polymer	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit	849 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 R
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI)	toxicological data on the pre ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>Y:</u> concentrations redients:	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous	849 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 F
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI)	toxicological data on the pre- ing the conventional calculati ON HAZARD CLASSES AS Y: concentrations redients: e diisocyanate polymer phenyl diisocyanate	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit	849 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 F > 368 F
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI) 4,4'-methylenedi Propylene carbor	toxicological data on the pre- ing the conventional calculati ON HAZARD CLASSES AS Y: concentrations redients: e diisocyanate polymer phenyl diisocyanate nate	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat 9200 Rat 29100 Rat	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit 9400 Rabbit 24000 Rabbit	349 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 F > 368 F > 5000 F
No experimental carried out by us .1 <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI) 4,4'-methylenedi Propylene carbor Estimates of acut	toxicological data on the pre- ing the conventional calculati ON HAZARD CLASSES AS Y: concentrations redients: e diisocyanate polymer phenyl diisocyanate nate te toxicity (ATE)	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat 9200 Rat 29100 Rat ATE	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit 9400 Rabbit 24000 Rabbit	349 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 F > 368 F > 368 F > 5000 F
No experimental carried out by us <u>INFORMATION</u> <u>ACUTE TOXICIT</u> Dose and lethal of for individual ingr Diphenylmethane (PMDI) 4,4'-methylenedi Propylene carbor Estimates of acut for individual ingr	toxicological data on the pre- ing the conventional calculati <u>ON HAZARD CLASSES AS</u> <u>TY:</u> concentrations redients: e diisocyanate polymer phenyl diisocyanate nate te toxicity (ATE) redients:	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat 9200 Rat 29100 Rat	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit 9400 Rabbit 24000 Rabbit	349 (CLP). CL50 (OECD40 mg/m3·4h Inhalati > 310 R > 368 R > 5000 R A [−] mg/m3·4h Inhalati
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No experimental carried out by us INFORMATION ACUTE TOXICIT Dose and lethal of for individual ingr Diphenylmethane (PMDI) 4,4'-methylenedi Propylene carbor Estimates of acut for individual ingr Isocyanic acid, prester, polymer wi hydroxypoly(oxy(Diphenylmethane (PMDI) 4,4'-methylenedi Propylene carbor (*) - Point estimate be used in the calo (-) - The compone are ignored. - No observed ac Not available - Lowest observed Not available	toxicological data on the pre- ing the conventional calculati ON HAZARD CLASSES AS <u>CY:</u> concentrations redients: e diisocyanate polymer phenyl diisocyanate nate te toxicity (ATE) redients: olymethylenepolyphenylene th alpha-hydro-omega- (methyl-1,2-ethanediyl)] e diisocyanate polymer phenyl diisocyanate nate es of acute toxicity correspondin culation of the ATE for classifica nts that are assumed to have no dverse effect level ed adverse effect level ON LIKELY ROUTES OF EX	ion method of the Regulation (DEFINED IN REGULATION (DL50 (OECD401) mg/kg bw Oral > 10000 Rat 9200 Rat 29100 Rat 29100 Rat 29100 Rat Composition of antice of the classification category (stion of a mixture based on its correst of a cute toxicity at the upper threest POSURE: ACUTE TOXICITY y Cat.	EU) No. 1272/2008~2021/8 EC) NO 1272/2008 : DL50 (OECD402) mg/kg bw Cutaneous 9400 Rabbit 24000 Rabbit 24000 Rabbit ATE mg/kg bw Cutaneous 	CL50 (OECD40 mg/m3·4h Inhalatio > 310 R > 368 R > 5000 R AT mg/m3·4h Inhalatio 150 11000 Vapou 150 nese values are designed to the test results. responding exposure route

cordance with Reg	ulation (ÈC) N	o. 1907/2006 and Regulation (EU) No. 20	20/878		(L	anguage:EN
danos Building toget		DANOPRIMER PU			4	
sion: 4	Revis	tion: 02/03/2023	Previous revisio	n: 14/03/2022	Date of printin	g: 02/03/2023
Skin: Not classifi	ied	ATE > 2000 mg/kg bw	Not available.	in contact wit	as a product with acute toxicit n skin (based on available data ion criteria are not met).	
Eyes: Not classifi	ied	Not available.	-		as a product with acute toxicit t (lack of data).	y GHS/CLP 1.2.5.
Ingestion: Not classifi	ed	ATE > 2000 mg/kg bw	Not available.	if swallowed (as a product with acute toxicit based on available data, the criteria are not met).	y GHS/CLP 3.1.3.6.
CORROS	ION / IRRITA	fication of mixtures based on ingredien				1
Danger cla	SS	Target organs	Cat.	Main effects,	acute and/or delayed	Criteria
- Respirate	ory corrosion/	irritation: Respiratory tract	Cat.3	IRRITANT: M	ay cause respiratory irritation.	GHS/CLP

			04.0		1.2.6. 3.8.3.4.
	Skin corrosion/irritation:	Skin	Cat.2	-	GHS/CLP 3.2.3.3.
	Serious eye damage/irritation:	Eyes	Cat.2	- ,	GHS/CLP 3.3.3.3.
	Respiratory sensitisation:	Respiratory tract		- 5 55	GHS/CLP 3.4.3.3.
F	Skin sensitisation:	Skin	Cat.1	- , 5	GHS/CLP 3.4.3.3.

GHS/CLP 3.2.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.3.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.4.3.3: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components. GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

- ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
- Aspiration hazard: Not classified	-		1 3	GHS/CLP 3.10.3.3.

GHS/CLP 3.10.3.3: Classification of the mixture when data are available for all components or only for some components.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Effects	SE/RE	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
- Systemic:	re	Systemic 😣	Cat.2	HARMFUL: May cause damage to organs through prolonged or repeated exposure.	GHS/CLP 3.8.3.4
 Respiratory effects: 	se	Respiratory tract	Cat.3	IRRITANT: May cause respiratory irritation.	GHS/CLP 3.8.3.4

GHS/CLP 3.8.3.4: Classification of the mixture when data are available for all components or only for some components.

CMR EFFECTS:

- Carcinogenic effects:

This preparation contains the following ingredients which can cause cancer: 4,4'-methylenediphenyl diisocyanate (Cat.2), Diphenylmethane diisocyanate polymer (PMDI) (Cat.2), Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydroomega-hydroxypoly(oxy(methyl-1,2-ethanediyl)] (Cat.2)

- Genotoxicity:

It is not considered as a mutagenic product.

- Toxicity for reproduction:

Does not harm fertility.Does not harm the unborn child.

- Effects via lactation:

Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE: Routes of exposure

May be absorbed by inhalation of vapour, through the skin and by ingestion.

- Short-term exposure:

Evilding togeth		02/03/2023 Previous revision: 14/03/2022			Date of printing: 02/03/20	
ersion: 4	Revision: 02/03/20			n: 14/03/2022		
mucous me eyes may c described ir fine particle <u>- Long-terr</u> Repeated o through the <u>INTERACT</u> Not availab	mbrane and respiratory syst ause irritation and reversible the exposure to vapours.Ca s are skin and respiratory tr <u>n or repeated exposure:</u> r prolonged contact may cau skin. May cause damage to	em irritation and damage.If swall auses burns to th act irritants.Caus use removal of na organs through	adverse effects on kidneys owed, may cause irritation he skin or eyes by direct co ses serious eye damage. C atural fat from the skin, resu prolonged or repeated expo		stem.Liquid splashes in th y be the same as f swallowed.The mists of se respiratory irritation.	
- Dermal a Not availabl - Basic toy Not availabl ADDITION	a <u>bsorption:</u> e. k <u>icokinetics:</u> e. <u>AL INFORMATION:</u>					
Based on the properties of the isocyanate content of this product and existing technical data of simila 11.2 INFORMATION ON OTHER HAZARDS: Endocrine disrupting properties:				nical data of similar preparatio	ns,	
Other infor	t does not contain substance <u>mation:</u> al information available.	es with endocrine	e disrupting properties iden	tified or under evaluation.		
CTION 12: ECOLO	GICAL INFORMATION					
mixture ha (CLP).	s been carried out by usin			e. The ecotoxicological clas f the Regulation (EU) No. 1		
2.1 TOXICITY					0000	
for individu	icity in aquatic environmer al ingredients		CL50 (OECD 203) mg/l·96hours	CE50 (OECD 202) mg/l·48hours	CE50 (OECD 20 mg/l·72ho	
(PMDI)	ethane diisocyanate polyn lenediphenyl diisocyanate		1000 - Fishes	1000 - Daphniae 1000 - Daphniae	1640 - Alg	
Propylene			1000 - Fishes 1000 - Fishes	450 - Daphniae	1640 - Alg 900 - Alg	
- No obser	ved effect concentration		NOEC (OECD 210) mg/l · 28 days	NOEC (OECD 211) mg/l · 21 days	NOEC (OECD 2 mg/l · 72 ho	
(PMDI)	ethane diisocyanate polyn			10 - Daphniae		
4,4'-methy	lenediphenyl diisocyanate			10 - Daphniae		
Not availab	bserved effect concentrati e ENT OF AQUATIC TOXIC					
	quatic toxicity Cat. Main hazards to the aquatic environment		Criteria			
Not classifi		(based o	n available data, the classi	uct with acute toxicity to aquat fication criteria are not met).	4.1.3.5.5.3.	
	aquatic toxicity: -		lasting effects (based on a	uct with chronic toxicity to aqu available data, the classificatio		
	5.3: Classification of a mixtu 5.4: Classification of a mixtu			of classified components. on summation of classified cor	nponents.	
2.2 PERSISTE	NCE AND DEGRADABIL	ITY:				
- Biodegra	dability:					
	e. degradation al ingredients		COD mgO2/g	%DBO/DQO 5 days 14 days 28 days	Biodegradabilic	
	ethane diisocyanate polyn	ner		1	Not ea	
	lenediphenyl diisocyanate			4	Not ea	

SAFETY DATA SHEET (REACH)

	danosa Building together	DANOPRIMER PU			
ersior	n: 4 Rev	vision: 02/03/2023	Previous revision: 1	14/03/2022	Date of printing: 02/03/202
	Note: Biodegradability <u>- Hydrolysis:</u> Not available. <u>- Photodegradability:</u> Not available.	data correspond to an average o	of data from various bibliograph	nic sources.	
12.3	BIOACCUMULATIVE May bioaccumulate.	<u>E POTENTIAL:</u>			
	Bioaccumulation for individual ingredie	ents	logPow	BCF L/kg	Potenti
	-	nethylenepolyphenylene Ipha-hydro-omega-			Not availab
	Diphenylmethane diis (PMDI)	• • • • •	10.5	14 (calculated)	Lo
	4,4'-methylenedipher	nyl diisocyanate	5.22	100 (calculated)	Lo
	Propylene carbonate	, ,	-0.41	3.2 (calculated)	No bioaccumulab
12.4	MOBILITY IN SOIL:			· · · /	
	Not available				
	Mobility for individual ingredie	ents	log Poc	Constant of Henry Pa·m3/mol 20°C	Potenti
	Diphenylmethane diis (PMDI)	socyanate polymer	9,08		Lc
	4,4´-methylenedipher		4,53 0,47	0,0229 (calculated)	Lo No bioaccumulab
40.5	RESULTS OF PBT A	AND VPVB ASSESMENT:(An	nex XIII of Regulation (EC) r	<u>no. 1907/2006:)</u>	
12.5					
12.5	Does not contain subs	tances that fulfil the PBT/vPvB c	riteria.		
12.5		tances that fulfil the PBT/vPvB c JPTING PROPERTIES:	riteria.		
-	ENDOCRINE DISRU			ed or under evaluation.	
-	ENDOCRINE DISRU	JPTING PROPERTIES: contain substances with endocri		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u>		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not OTHER ADVERSE B	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u>		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not OTHER ADVERSE E - Ozone depletion po Not available.	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u>		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not OTHER ADVERSE E - Ozone depletion po Not available.	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u> otential:		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not OTHER ADVERSE E - Ozone depletion po Not available. - Photochemical ozo Not available.	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u> otential: ne creation potential:		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not OTHER ADVERSE E - Ozone depletion po Not available. - Photochemical ozo	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u> otential: ne creation potential: ng potential:		ed or under evaluation.	
12.6	ENDOCRINE DISRU This product does not of OTHER ADVERSE E - Ozone depletion por Not available. - Photochemical ozo Not available. - Earth global warmin In case of fire or incine	JPTING PROPERTIES: contain substances with endocri <u>FFECTS:</u> otential: ne creation potential: ng potential: oration liberates CO2.		ed or under evaluation.	
12.6 12.7 ECTION	ENDOCRINE DISRU This product does not a OTHER ADVERSE E - Ozone depletion por Not available. - Photochemical ozo Not available. - Earth global warmin In case of fire or incine	JPTING PROPERTIES: contain substances with endocri <u>FFECTS:</u> otential: ne creation potential: ng potential: oration liberates CO2.	ne disrupting properties identifi		
12.6	ENDOCRINE DISRU This product does not a OTHER ADVERSE E - Ozone depletion por Not available. - Photochemical ozon Not available. - Earth global warmin In case of fire or incine V 13: DISPOSAL CONSE WASTE TREATMEN Take all necessary me Do not discharge into of accordance with current Disposal of empty con Emptied containers and packaging as hazardood classification, in accord contaminated container	JPTING PROPERTIES: contain substances with endocri EFFECTS: otential: ne creation potential: ng potential: rration liberates CO2. IDERATIONS IT METHODS:Directive 2008/ asures to prevent the production drains or the environment, dispo- nt local and national regulations. ontainers:Directive 94/62/EC~ d packaging should be disposed us waste will depend on the degu dance with Chapter 15 01 of Decores and packaging, adopt the same	98/EC~Regulation (EU) no. of waste whenever possible. A se at an authorised waste colle For exposure controls and per 2015/720/EU, Decision 2000 in accordance with currently lo ree of empting of the same, bei ision 2000/532/EC, and forwar ne measures as for the product	<u>1357/2014:</u> Analyse possible methods for oction point. Waste should be sonal protection measures, s <u>0/532/EC~2014/955/EU:</u> ocal and national regulations. ing the holder of the residue r ding to the appropriate final c	handled and disposed in see section 8. The classification of responsible for their
12.6 12.7 ECTION	ENDOCRINE DISRU This product does not a OTHER ADVERSE E - Ozone depletion por Not available. - Photochemical ozon Not available. - Earth global warmin In case of fire or incine V 13: DISPOSAL CONSI WASTE TREATMENT Take all necessary mean Do not discharge into co accordance with current Disposal of empty co Emptied containers and packaging as hazardou classification, in accord contaminated container	JPTING PROPERTIES: contain substances with endocri <u>EFFECTS:</u> <u>otential:</u> <u>ne creation potential:</u> <u>ng potential:</u> <u>ration liberates CO2.</u> <u>IDERATIONS</u> <u>IT METHODS:Directive 2008/</u> asures to prevent the production drains or the environment, dispo- nt local and national regulations. <u>ontainers:Directive 94/62/EC~</u> d packaging should be disposed us waste will depend on the degulance with Chapter 15 01 of Dec	98/EC~Regulation (EU) no. of waste whenever possible. A se at an authorised waste colle For exposure controls and per 2015/720/EU, Decision 2000 in accordance with currently lo ree of empting of the same, bei ision 2000/532/EC, and forwar ne measures as for the product Jot:	1357/2014: Analyse possible methods for ction point. Waste should be rsonal protection measures, s <u>0/532/EC~2014/955/EU:</u> bocal and national regulations. Ing the holder of the residue r ding to the appropriate final of t in itself.	handled and disposed in see section 8. The classification of responsible for their

ersion:	uilding together	DANOPRIMER PU		
	: 4 Rev	rision: 02/03/2023	Previous revision: 14/03/2022	Date of printing: 02/03/202
CTION	14: TRANSPORT INFO	ORMATION		
_	UN NUMBER OR ID			
	Not applicable			
	UN PROPER SHIPP	ING NAME:		
	Not applicable	<u></u>		
	TRANSPORT HAZA	RD CLASS(ES):		
	Transport by road (Al	· · · · · · · · · · · · · · · · · · ·		
	Transport by rail (RII			
	No reglamented			
	Transport by sea (IM	DG <u>39-18):</u>		
	No reglamented			
	Transport by air (ICA	<u>O/IATA 2021):</u>		
	No reglamented			
	Transport by inland w	<u>vaterways (ADN):</u>		
	No reglamented			
	PACKING GROUP:			
	No reglamented			
	ENVIRONMENTAL H			
		ssified as hazardous for the envir	onment).	
	SPECIAL PRECAUT			
			t to do in case of accident or spill. Always transpor	t in closed containers that are
		sure adequate ventilation.		
		ORT IN BULK ACCORDING	<u>FO IMO INSTRUMENTS:</u>	
	Not applicable.			
CTION	15: REGULATORY INF	FORMATION		
			JLATIONS/LEGISLATION SPECIFIC FOR TH	IE SUBSTANCE OR MIXTUR
			listed throughout this Safety Data Sheet.	
		<u>ifacture, placing on market an</u>	<u>d use:</u>	
	See section 1.2			
	Tactile warning of da			
	Not applicable (product			
	Child safety protectio			
		ssification criteria are not met).		
	VOC information on t			
		32 g/l for the product ready for us	e - The limit value 2004/42/EC-IIA cat. h) Binding p	orimer, solvent-borne. is VOC ma
	750 g/l (2010)			
	OTHER REGULATIC			
		<u>herent in major accidents (Se</u>	<u>veso III):</u>	
	See section 7.2			
	Other local legislation			
	Other local legislation The receiver should ve	rify the possible existence of loca	al regulations applicable to the chemical.	
5.2	Other local legislation The receiver should ve CHEMICAL SAFETY	rify the possible existence of loca		

SAFE I In accord	Y DATA SHEE ance with Regulati	= I (REA on (EC) N	A CH) o. 1907/2006 and Regulation (EU) No. 2020/878	Page 14/14 (Language:EN			
2	danosa Building together	>	DANOPRIMER PU					
Versio	n: 4	Revis	ion: 02/03/2023	Previous revision: 14/03/2022	Date of printing: 02/03/2023			
SECTIO	N 16 : OTHER IN	FORMAT	ION					
16.1	TEXT OF THE	PHRAS	ES AND NOTES REFERE	NCED IN SECTIONS 2 AND/OR 3:				
) No. 1272/2008~2021/849 (CLP), Anne	ex III:			
	H315 Causes s May cause aller cancer. H373 M	kin irritatio gy or asth lay cause	on. H317 May cause an allerg nma symptoms or breathing o damage to organs through p	gic skin reaction. H319 Causes serious eye	irritation. H332 Harmful if inhaled. H334 ratory irritation. H351 Suspected of causing cause damage to organs through			
	Notes related	to the ide	ntification, classification ar	nd labelling of the substances or mixture	<u>es:</u>			
	supplier must st Note 2 : The co weight of the mi	Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers. Note 2 : The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.						
				DANGER OF MIXTURES:				
	See sections 9.							
		ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS: It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to						
	provide underst	anding ar	nd interpretation of Safety Da	ta Sheets and labelling of products as well.	onal risk and prevention, in order to			
			EFERENCES AND SOUR					
	Access to Euro Industrial Solv Threshold Lim	opean Un ents Hand it Values,	gency: ECHA, http://echa.eur ion Law, http://eur-lex.europa dbook, Ibert Mellan (Noyes D (AGCIH, 2021).	a.eu/ ata Co., 1970).				
	International N	laritime D	angerous Goods Code IMDC	dangerous goods by road, (ADR 2021). G including Amendment 39-18 (IMO, 2018).				
	-		<u>) ACRONYMS:</u>					
	List of appreviat	lions and	acronyms that can be used (but not necessarily used) in this Safety Data	a Sheet:			
	GHS: Globally CLP: Europea EINECS: Euro ELINCS: Euro	Harmoni n regulari pean Inve pean List	zed System of Classification on on Classificatin, Labelling entory of Existing Commercia of Notified Chemical Substar	nces.	ations.			
			ts Service (Division of the Am		l vesteviale			
			ery High Concern.	tion, complex reaction products or biologica	a materials.			
			umulable and toxic substance	es.				
	1 21		nd very bioaccumulable subs	tances.				
	· VOC: Volatile		ct Level (REACH).					
			fect Concentration (REACH).					
			tion, 50 percent.					
	· LD50: Lethal of							
	• UN: United Na			not corrigge of depression goods by road				
				nal carriage of dangeous goods by road. ort of dangeous goods by rail.				
	· IMDG: Interna	tional Ma	ritime code for Dangerous Go					
	· IATA: Internati	onal Air T	ransport Association.					
			Aviation Organization.					
			<u>FREGULATIONS:</u>					
		eet in acc		gulation (EC) No. 1907/2006 (REACH) and	Annex of Regulation (EU) No. 2020/878.			
	HISTORIC:		REVISION:					
	Version: 3 Version: 4		14/03/2022)2/03/2023					
			s Safety Data Sheet:					
				a providua varsian due to the structural and	contant adaptation of the Safaty Data			

Changes that have been introduced with respect to the previous version due to the structural and content adaptation of the Safety Data Sheet to Regulation (EU) No. 2020/878: All sections.

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users" working conditionsare beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product"s properties.