

Revision nr. 3

Dated 02/04/2021

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	Safety Data S		
Accord	ling to Annex II to REACH - Reg	gulation 2015/830	
SECTION 1. Identification of the subs	stance/mixture and of	the company/underta	aking
1.1. Product identifier Code: Product name	M2112, M2138 JOLLY MASTICE PER MARI	MI BIANCO	
1.2. Relevant identified uses of the substance or m Intended use	nixture and uses advised agai Mastic for marble, Professic		
Uses related to the substances: Identified Uses	Industrial	Professional	Consumer
Styrene Uses Advised Against	-	PROC: 1, 10, 11, 3, 4, 5, 8a.	-
SU21: Consumer use			
1.3. Details of the supplier of the safety data sheet Name Full address District and Country	ILPA ADESIVI SRL Via Ferorelli, 4 70132 BARI (BARI) ITALIA Tel. + 39 0805383837 Fax + 39 0805377807		
e-mail address of the competent person			
responsible for the Safety Data Sheet	laboratorio@ilpa.it		
1.4. Emergency telephone number For urgent inquiries refer to	zone)		EN; MON-FRI)(Italian time 5S.1 Redgrave Court, Merton
SECTION 2. Hazards identification			

	ILPA ADESIVI SRL	Revision nr. 3
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2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:		
Flammable liquid, category 3	H226	Flammable liquid and vapour.
Reproductive toxicity, category 2	H361d	Suspected of damaging the unborn child.
Specific target organ toxicity - repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated
		exposure.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H226	Flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
EUH208	Contains: Fatty acids, C14-18 and C16-18-unsatd., maleated
	May produce an allergic reaction.

Precautionary statements:

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P280	Wear protective gloves / eye protection / face protection.
P308+P313	IF exposed or concerned: Get medical advice / attention.
P370+P378	In case of fire: useuse carbon dioxide, foam, chemical powder to extinguish.

Contains:

STYRENE MALEIC ANHYDRIDE



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Product not intended for uses provided for by Dir. 2004/42/CE.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
STYRENE		
CAS 100-42-5	15 ≤ x < 16,5	Flam. Liq. 3 H226, Repr. 2 H361d, Acute Tox. 4 H332, STOT RE 1 H372, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412, Classification note/notes according to Annex VI to the CLP Regulation: D
EC 202-851-5		5
INDEX 601-026-00-0		
Reg. no. 01-2119457861-32		
Fatty acids, C14-18 and C16-18- unsatd., maleated CAS 85711-46-2	0,3035 ≤ x <	Skin Irrit. 2 H315, Skin Sens. 1 H317
EC 288-306-2	0,3535	
INDEX -		
Reg. no. 01-2119976378-19 XYLENE (MIXTURE OF ISOMERS)		
CAS 1330-20-7	0,2 ≤ x < 0,25	Flam. Lig. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304,
CAS 1330-20-7	$0,2 \le x < 0,25$	STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note/notes according to Annex VI to the CLP Regulation: C
EC 215-535-7		
INDEX 601-022-00-9		
Reg. no. 01-2119488216-32		
1,1 '- (p-tolylimino) dipropan-2-ol		
CAS 38668-48-3	$0,1 \le x < 0,15$	Acute Tox. 2 H300, Eye Irrit. 2 H319, Aquatic Chronic 3 H412
EC 254-075-1		
INDEX -		
Reg. no. 01-2119980937-17-XXXX		
ETHYLBENZENE		
CAS 100-41-4	$0,05 \le x < 0,1$	Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Aquatic Chronic 3 H412
EC 202-849-4		
INDEX 601-023-00-4		
Reg. no. 01-2119489370-35		
MALEIC ANHYDRIDE		
CAS 108-31-6	0,001 ≤ x < 0,05	Acute Tox. 4 H302, STOT RE 1 H372, Skin Corr. 1B H314, Eye Dam. 1 H318, Resp. Sens. 1 H334, Skin Sens. 1A H317, EUH071



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EC 203-571-6

INDEX 607-096-00-9 Reg. no. 01-2119472428-31-XXXX

DIPROPYLENE GLYCOL MONOMETHYL ETHER

CAS 34590-94-8

EC 252-104-2

INDEX -

Reg. no. 01-2119450011-60-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

PROTECTIVE MEASURES FOR THE FIRST RESCUE WORKERS: for PPE (personal protection equipment) required for first aid refer to section 8.2 of this safety data sheet.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

0 ≤ x < 0,05

Substance with a community workplace exposure limit.



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5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)



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No use other than specified in Section 1.2 of this safety data sheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	TRGS 900 - Seite 1 von 69 (Fassung 29.03.2019)- Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GRC	Ελλάδα	ΕΦΗΜΕΡΙΔΑ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 152 - 21 Αυγούστου 2018
HRV	Hrvatska	Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti
		i biološkim graničnim vrijednostima (NN 91/18)
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Regeling van de Staatssecretaris van Sociale Zaken en Werkgelegenheid van 13 juli 2018, 2018-
		0000118517 tot wijziging van de Arbeidsomstandighedenregeling in verband met de implementatie van
		Richtlijn 2017/164 in Bijlage XIII
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos
		trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no
		trabalho - Diário da República, 1.ª série - N.º 111 - 11 de junho de 2018
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition, published 2018)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398;
		Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive
		2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2020

STYRENE

Гуре	Country	TWA/8h		STEL/15min		Remarks		
						Observati	ons	
		mg/m3	ppm	mg/m3	ppm			
VLA	ESP	86	20	172	40			
VLEP	FRA	100	23,3	200	46,6			
TLV	GRC	425	100	1050	250			
GVI/KGVI	HRV	430	100	1080	250	SKIN		
TGG	NLD	107						
WEL	GBR	430	100	1080	250			
TLV-ACGIH		10		20				
Predicted no-effect concentr	ation - PNEC							
Normal value in fresh water				0,028	mį	g/l		
Normal value in marine wate	er			0,014	m	g/l		
Normal value for fresh water	sediment			0,614	m	g/kg/d		
Normal value for marine wat	er sediment			0,0614	mg	g/kg/d		
Normal value for water, inter	mittent release			0,04	m	g/l		
Normal value of STP microo	rganisms			5	m	g/l		
Normal value for the terrestr	ial compartment			0,2	mį	g/kg/d		
Health - Derived no-effe	ect level - DNEL / DI	MEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	2,1 mg/kg bw/d		.,		.,
Inhalation	182,75 mg/m3	174,25 mg/m3	VND	10,2 mg/m3	306 mg/m3	289 mg/m3	VND	85 mg/m3



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Skin			VND	343 mg/kg bw/d			VND	406 mg/kg bw/d
Fatty acids, C14-18 and Predicted no-effect concentre		maleated		_				
Normal value in fresh water				NPI				
Normal value in marine wate	er			NPI				
Normal value for fresh water	r sediment			NPI				
Normal value for marine wat	ter sediment			NPI				
Normal value for water, inter	rmittent release			NPI				
Normal value of STP microo	organisms			NPI				
Normal value for the food ch	nain (secondary poisor	ning)		NEA				
Normal value for the terrestr	rial compartment			NEA				
Normal value for the atmosp	ohere			NPI				
Health - Derived no-effe	Effects on	DMEL			Effects on workers			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral	VND	NPI	VND	systemic NPI		systemic		systemic
Inhalation	VND	NPI	VND	NPI	VND	NPI	VND	NPI
Skin	VND	NPI	VND	NPI	VND	NPI	VND	NPI
XYLENE (MIXTURE OF Threshold Limit Value	ISOMERS)							
Туре	Country	TWA/8h		STEL/15min		Remarks		
Туре	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks Observa		
Type	Country		ppm 100		ppm 200			
	-	mg/m3		mg/m3		Observa		
AGW	DEU	mg/m3 440	100	mg/m3 880	200	Observa		
AGW	DEU	mg/m3 440 440	100 100	mg/m3 880 880	200	Observa SKIN SKIN		
AGW MAK VLA	DEU DEU ESP	mg/m3 440 440 221	100 100 50	mg/m3 880 880 442	200 200 100	Observa SKIN SKIN SKIN		
AGW MAK VLA VLEP	DEU DEU ESP FRA	mg/m3 440 440 221 221	100 100 50 50	mg/m3 880 880 442 442	200 200 100 100	Observa SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI	DEU DEU ESP FRA GRC	mg/m3 440 440 221 221 435	100 100 50 50 100	mg/m3 880 880 442 442 650	200 200 100 100 150	Observa SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV	DEU DEU ESP FRA GRC HRV	mg/m3 440 440 221 221 435 221	100 100 50 50 100 50	mg/m3 880 880 442 442 650 442	200 200 100 100 150 100	Observa SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP	DEU DEU ESP FRA GRC HRV ITA	mg/m3 440 440 221 221 435 221 221 221	100 100 50 50 100 50	mg/m3 880 880 442 442 650 442 442 442	200 200 100 100 150 100	Observa SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE	DEU DEU ESP FRA GRC HRV ITA NLD	mg/m3 440 221 221 435 221 221 221 221 210	100 100 50 50 100 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442	200 200 100 100 150 100 100	Observa SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG	DEU DEU ESP FRA GRC HRV ITA NLD PRT	mg/m3 440 221 221 221 435 221 221 221 210 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442	200 200 100 100 150 100 100 100	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL	DEU DEU ESP FRA GRC HRV ITA ITA NLD PRT GBR	mg/m3 440 221 221 221 435 221 221 221 210 221 221 220	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 44	200 200 100 100 150 100 100 100 100	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 44	200 200 100 100 150 100 100 100 100 100	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL TLV-ACGIH	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 44	200 200 100 100 150 100 100 100 100 100	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL TLV-ACGIH Predicted no-effect concentr	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU EU	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 442 442 651	200 200 100 100 150 100 100 100 100 150	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL TLV-ACGIH Predicted no-effect concentr Normal value in fresh water	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU ration - PNEC	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 651 0,327	200 200 100 100 150 100 100 100 100 150 mg	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL TLV-ACGIH Predicted no-effect concentr Normal value in fresh water Normal value in marine wate	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU ration - PNEC	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 650 442 442 442 442 442 442 442 44	200 200 100 100 150 100 100 100 100 100 150 mg mg	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value in marine wate	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU EU ration - PNEC	mg/m3 440 221 221 221 435 221 221 221 221 221 220 221	100 100 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	mg/m3 880 880 442 442 442 442 442 442 442 442 442 650 0,327 0,327 12,46	200 200 100 100 150 100 100 100 100 100 150 mg mg	Observa SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		



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Normal value for the terrestrial	l compartment			2,31	mg	/kg/d		
Health - Derived no-effec	t level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,6 mg/kg bw/d				
Inhalation Skin	174 mg/m3	174 mg/m3	VND VND	14,8 mg/m3 108 mg/kg bw/d	289 mg/m3	289 mg/m3	3 VND VND	77 mg/m3 180 mg/kg bw/d
1,1 '- (p-tolylimino) dipro Predicted no-effect concentrat								
Normal value in fresh water				0,017	mg	/I		
Normal value in marine water				0,002	mg	/I		
Normal value for fresh water s	ediment			0,078	mg	/kg		
Normal value for marine water	sediment			0,008	mg	/kg		
Normal value for water, interm	ittent release			0,17	mg	/I		
Normal value of STP microorg	anisms			199,5	mg	/I		
Normal value for the terrestrial	I compartment			0,005	mg	/kg		
Health - Derived no-effec	t level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,3 mg/kg bw/d				0,3
Inhalation				0,4 mg/m3				2 mg/m3
Skin				0,3 mg/kg bw/d				0,6 mg/kg bw/d
ETHYLBENZENE								
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remar		
Threshold Limit Value	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remar Observ		
Threshold Limit Value Type	Country		ppm 20		ppm 40			
Threshold Limit Value Type AGW		mg/m3		mg/m3		Observ		
Threshold Limit Value Type AGW MAK	DEU	mg/m3 88	20	mg/m3 176	40	Observ		
Threshold Limit Value Type AGW MAK VLA	DEU	mg/m3 88 88	20 20	mg/m3 176 176	40 40	Observ SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP	DEU DEU ESP	mg/m3 88 88 441	20 20 100	mg/m3 176 176 884	40 40 200	Observ SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV	DEU DEU ESP FRA	mg/m3 88 88 441 88,4	20 20 100 20	mg/m3 176 176 884 442	40 40 200 100	Observ SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV GVI/KGVI	DEU DEU ESP FRA GRC	mg/m3 88 88 441 88,4 435	20 20 100 20 100	mg/m3 176 176 884 442 545	40 40 200 100 125	Observ SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV GVI/KGVI VLEP	DEU DEU ESP FRA GRC HRV	mg/m3 88 88 441 88,4 435 442	20 20 100 20 100 100	mg/m3 176 176 884 442 545 884	40 40 200 100 125 200	Observ SKIN SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG	DEU DEU ESP FRA GRC HRV ITA	mg/m3 88 88 441 88,4 435 442 442	20 20 100 20 100 100	mg/m3 176 176 884 442 545 884 884 884	40 40 200 100 125 200	Observ SKIN SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE	DEU DEU ESP FRA GRC HRV ITA NLD	mg/m3 88 88 441 88,4 435 442 442 215	20 20 100 20 100 100 100	mg/m3 176 176 884 442 545 884 884 884 430	40 40 200 100 125 200 200	Observ SKIN SKIN SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL	DEU DEU ESP FRA GRC HRV ITA NLD PRT	mg/m3 88 88 441 88,4 435 442 442 215 442	20 20 100 20 100 100 100 100	mg/m3 176 176 884 442 545 884 884 884 430 884	40 40 200 100 125 200 200 200	Observ SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW	DEU DEU ESP FRA GRC HRV ITA ITA NLD PRT GBR	mg/m3 88 88 441 88,4 435 442 442 215 442 441	20 20 100 20 100 100 100 100 100	mg/m3 176 176 884 442 545 884 884 884 430 884 552	40 40 200 100 125 200 200 200 200 125	Observ SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		
Threshold Limit Value Type AGW MAK VLA VLEP TLV GVI/KGVI VLEP TGG VLE WEL OEL	DEU DEU ESP FRA GRC HRV ITA NLD PRT GBR EU	mg/m3 88 88 441 88,4 435 442 442 215 442 441 442 441 442	20 20 100 20 100 100 100 100 100 100	mg/m3 176 176 884 442 545 884 884 884 430 884 552	40 40 200 100 125 200 200 200 200 125	Observ SKIN SKIN SKIN SKIN SKIN SKIN SKIN SKIN		



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Normal value in marine water	ſ			1	mg	<i>µ</i> 1		
Normal value for fresh water	sediment			137	mg	/kg/d		
Normal value for marine wate	er sediment			137	mg	ı/kg/d		
Normal value for water, interr	mittent release			1	mg	ı/I		
Normal value of STP microor	ganisms			96	mg	ı/I		
Normal value for the terrestria	al compartment			268	mg	ı/kg/d		
Health - Derived no-effe	Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
•	Acute local	Addie Systemie		systemic	/ louie local	systemic	Onionic local	systemic
Oral			NPI	1,6 mg/kg bw/d				
Inhalation	NPI	VND	NPI	15 mg/m3	293 mg/m3	VND	NPI	77 mg/m3
Skin	NPI	NPI	NPI	NPI	NPI	NPI	NPI	180 mg/kg bw/d
MALEIC ANHYDRIDE Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observat	ions	
AGW	DEU	0,081	0,02	0,081 (C)	0,02 (C)			
МАК	DEU	0,081	0,02	0,081 (C)	0.02 (C)		C = 0,20	ma/m3
VLA	ESP	0,4	0,1	-, (-)	-, (-)		,	
VLEP	FRA	0,1	0,1	1				
TLV	GRC	1		·				
GVI/KGVI	HRV	0,41	0,1	0,8	0,2	INHAL		
GVI/KGVI	HRV	0,41	0,1	0,8	0,2	SKIN		
WEL	GBR	1		3				
TLV-ACGIH		0,01	0,0025					
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,075	mg	y/I		
Normal value in marine water	r			0,0075	mg	J/I		
Normal value for fresh water	sediment			0,06	mg	/kg		
Normal value for marine wate	er sediment			0,006	mç	ı/kg		
Normal value for water, interr	nittent release			48,1	mg	ı/l		
Normal value of STP microor	ganisms			4,46	mg	ı/I		
Normal value for the food cha	ain (secondary poisor	ing)		6,67	mç	ı/kg		
Normal value for the terrestria	al compartment			0,01	mç	ı/kg		
Health - Derived no-effe	Effects on	DMEL			Effects on			
Route of exposure	Consumers Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		0,1 mg/kg bw/d		0,06 mg/kg bw/d				
Inhalation			0,08 mg/m3	0,05 mg/m3	0,8 mg/m3	0,8 mg/m3	0,32 mg/m3	0,19 mg/m3
Skin		0,1 mg/kg bw/d		0,1 mg/kg bw/d		0,2 mg/kg bw/d		0,2 mg/kg bw/d



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DIPROPYLENE GLYCOL MONOMETHYL ETHER

Туре	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	310	50	310	50			
MAK	DEU	310	50	310	50			
VLA	ESP	308	50			SKIN		
VLEP	FRA	308	50			SKIN		
TLV	GRC	600	100	900	150			
GVI/KGVI	HRV	308	50			SKIN		
VLEP	ITA	308	50			SKIN		
TGG	NLD	300						
VLE	PRT	308	50			SKIN		
WEL	GBR	308	50			SKIN		
OEL	EU	308	50			SKIN		
TLV-ACGIH		606	100	909	150	SKIN		
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				19	mg	g/l		
Normal value in marine wate	er			1,9	mg	g/I		
Normal value for fresh wate	r sediment			70,2	mg	g/kg		
Normal value for marine wat	ter sediment			7,02	mg	g/kg		
Normal value for water, inte	rmittent release			190	mg	g/I		
Normal value of STP microc	organisms			4168	mg	g/I		
Normal value for the terrestr	rial compartment			2,74	mg	g/kg		
Health - Derived no-eff	ect level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,67 mg/kg bw/d				
Inhalation				37,2 mg/m3				310 mg/m3
Skin				15 mg/kg bw/d				65 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.



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Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	viscous liquid	
Colour	white	
Odour	characteristic of solvent	
Odour threshold	Not available	Remark:(STYRENE: Journal of Applied Toxicology, 3(6):272-290. 1983.) Concentration:0,32 ppm
		Substance:STYRENE
рН	Not applicable	Reason for missing data:solvent based product, insoluble in water.
Melting point / freezing point	Not available	Substance:STYRENE Temperature:-30,7°C
Initial boiling point	Not available	Substance:STYRENE Temperature:145°C
Boiling range	Not applicable	



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Flash point	23 ≤ T ≤ 60 °C	
Evaporation rate	Not available	Concentration:0,49 (butyl acetate=1) Substance:STYRENE
Flammability (solid, gas)	not applicable	
Lower inflammability limit	Not available	Concentration:1,2 Vol% Substance:STYRENE
Upper inflammability limit	Not available	Concentration:8,9 Vol% Substance:STYRENE
Lower explosive limit	Not applicable	
Upper explosive limit	Not applicable	
Vapour pressure	Not available	Concentration:6,67 hPa (T=20°C) Substance:STYRENE
Vapour density	Not available	Concentration:3,6 (air=1) Substance:STYRENE
Relative density	1,1 g/ml	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	Not available	Concentration:Log Pow 2,96 Substance:STYRENE
Auto-ignition temperature	Not available	Substance:STYRENE Temperature:490°C (1,013hPa)
Decomposition temperature	Not applicable	
Viscosity	10 ± 2 Pas (T = 25 °C)	
Explosive properties	Product is not explosive. (STYRENE)	
Oxidising properties	Non oxidizing product	
9.2. Other information		
VOC (Directive 2010/75/EC) :	16,26 % - 178,85 g/litre	

VOC (Directive 2010/75/EC) :

VOC (Directive 2010/13/20).	10,20 /0	-	170,05	y/inte
VOC (volatile carbon) :	14,97 %	-	164,69	g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

STYRENE

Polymerises at temperatures above 65°C/149°F.Fire hazard.Possibility of explosion.

Added with an inhibitor that requires a small amount of dissolved oxygen at temperatures < 25°C/77°F.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Forms peroxides with: air.

10.2. Chemical stability



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The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

STYRENE

May react dangerously with: peroxides,strong acids.May polymerise on contact with: aluminium trichloride,azobisisobutyronitrile,dibenzoyl peroxide,sodium.Risk of explosion on contact with: butyllithium,chlorosulphuric acid,diterbutyl peroxide,oxidising substances,oxygen.

XYLENE (MIXTURE OF ISOMERS)

Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid, perchlorates. May form explosive mixtures with: air.

ETHYLBENZENE

Reacts violently with: strong oxidants.Attacks various types of plastic materials.May form explosive mixtures with: air.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

May react violently with: strong oxidising agents.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

STYRENE

Avoid contact with: oxidising substances,copper,strong acids.

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Avoid exposure to: sources of heat.Possibility of explosion.

10.5. Incompatible materials

STYRENE

Incompatible materials: plastic materials.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

ETHYLBENZENE

May develop: methane,styrene,hydrogen,ethane.



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SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

STYRENE

WORKERS: inhalation; contact with the skin.

XYLENE (MIXTURE OF ISOMERS)

WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

STYRENE

The acute toxicity by inhalation at 1000 ppm affects the central nervous system with headache and dizziness, lack of coordination; irritation of the eye and respiratory tract mucous membranes occurs at 500 ppm. Chronic exposure causes depression of the central and peripheral nervous system with loss of memory, headache and drowsiness starting at 20 ppm; digestive disorders with nausea and loss of appetite; irritation of the respiratory tract with chronic bronchitis; dermatosis. Repeated exposure, at low doses of inhaled substance, causes irreversible changes to hearing and may cause changes in colour vision. No certain data is available on the reversibility of the visual impairment. Repeated skin exposure causes irritation. The substance degreases the skin, which can cause dryness and cracking.

XYLENE (MIXTURE OF ISOMERS)

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (IspesI). Is irritating for skin, conjunctiva and respiratory tract.

Interactive effects

STYRENE

The metabolism of the substance is inhibited by ethanol. When styrene is photo-oxidised with ozone and nitrogen dioxide, as in the formation of smog,

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products highly irritating for the human eye may ensue.

XYLENE (MIXTURE OF ISOMERS)

Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

ACUTE TOXICITY

ATE (Inhalation) of the mixture: > 20 mg/l ATE (Oral) of the mixture: >2000 mg/kg ATE (Dermal) of the mixture: Not classified (no significant component)

XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral) 3523 mg/kg Rat (equivalent or similar to EU Method B.1)

LD50 (Dermal) 4200 mg/kg Rabbit (Industrial Medicine 39, 215-200, 1970)

LC50 (Inhalation) 26 mg/l/4h Rat(equivalent or similar to EU Method B.2)

DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (Oral) > 5000 mg/kg RAT

LD50 (Dermal) > 9500 mg/kg RAT

ETHYLBENZENE

LD50 (Oral) 3500 mg/kg Rat (standard acute method)

LD50 (Dermal) 15354 mg/kg Rabbit (standard acute method)

LC50 (Inhalation) 17,8 mg/l/4h Rat (standard acute method)

STYRENE

LD50 (Oral) 5000 mg/kg Rat (MSDS Supplier)

LD50 (Dermal) > 2000 mg/kg Rat (OECD Guideline 402)

LC50 (Inhalation) 11,8 mg/l/4h Rat (Archives of Environmental Health 18: 878-882 - sito ECHA)



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MALEIC ANHYDRIDE

LD50 (Oral) 400 mg/kg Rat

LD50 (Dermal) 610 mg/kg Rat

1,1 '- (p-tolylimino) dipropan-2-ol

LD50 (Oral) > 25 mg/kg rat, (25<mg<200) according to (OECD Guideline 423)

LD50 (Dermal) > 2000 mg/kg rabbit, according to (EU Method B.3)

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin May produce an allergic reaction.Contains:Fatty acids, C14-18 and C16-18-unsatd., maleated

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

STYRENE

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2002). Classified as "probable carcinogen" by the US National Toxicology Program (NTP) - (US DHHS, 2014).

XYLENE (MIXTURE OF ISOMERS)

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

ETHYLBENZENE

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000). Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014).

REPRODUCTIVE TOXICITY



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Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Causes damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 10 ± 2 Pas (T = 25 °C)

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

XYLENE (MIXTURE OF ISOMERS)	
LC50 - for Fish	2,6 mg/l/96h Oncorhynchus mykiss (OECD TG 203)
Chronic NOEC for Fish	1,3 mg/l 56d Oncorhynchus mykiss (Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.)
Chronic NOEC for Crustacea	1,17 mg/l 7d Ceriodaphnia dubia (Ecotoxicology and Environmental Safety 39, 136-146)
ETHYLBENZENE	
LC50 - for Fish	4,2 mg/l/96h Oncorhynchus mykiss, according to (OECD Guideline 203)
EC50 - for Crustacea	2,4 mg/l/48h Daphnia magna, According to EPA method F
EC50 - for Algae / Aquatic Plants	5,4 mg/l/72h Selenastrum capricornutum, according to (U.S. EPA.1985 Federal register, Volume 50, Number 188)
STYRENE	
LC50 - for Fish	10 mg/l/96h Pimephales promelas (OECD Guideline 203, GLP)
EC50 - for Crustacea	4,7 mg/l/48h Daphnia magna (OECD Guideline 202, GLP)
EC50 - for Algae / Aquatic Plants	4,9 mg/l/72h Selenastrum capricornutum (EPA OTS 797.1050, GLP)
Chronic NOEC for Crustacea	1,01 mg/l/21d Daphnia magna (OECD Guideline 211, GLP)
1,1 '- (p-tolylimino) dipropan-2-ol	
LC50 - for Fish	17 mg/l/96h Brachydanio rerio, according to (Guideline F.1.1. of UBA)
EC50 - for Crustacea	28,8 mg/l/48h Daphnia magna, according to (OECD Guideline 202)
EC50 - for Algae / Aquatic Plants	245 mg/I/72h Desmodesmus subspicatus, according to (OECD Guideline 201)
12.2. Persistence and degradability	



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XYLENE (MIXTURE OF ISOMERS)	
Solubility in water	100 - 1000 Handbook of aqueous solubility data. mg/l
Rapidly degradable OECD Guideline 301 F, GLP	
DIPROPYLENE GLYCOL MONOMETHYL ETHER Solubility in water Rapidly degradable	1000 - 10000 mg/l
ETHYLBENZENE	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable ISO 14593-CO2-Headspace Test, GLP	
STYRENE	
Solubility in water	320 mg/l
Rapidly degradable 10 d, 68% according to (ISO DIS 9408)	
MALEIC ANHYDRIDE	
Solubility in water	> 10000 mg/l
Entirely degradable	
1,1 '- (p-tolylimino) dipropan-2-ol	
Rapidly degradable	
12.3. Bioaccumulative potential	
XYLENE (MIXTURE OF ISOMERS)	
Partition coefficient: n-octanol/water	3,12 American Chemical Society, Washington DC
BCF	25,9 Appl. Sci. Branch, Eng. Res. Cent. Denver, CO: 15p.
DIPROPYLENE GLYCOL MONOMETHYL	
ETHER Partition coefficient: n-octanol/water	0,0043
	0,0040
ETHYLBENZENE	
Partition coefficient: n-octanol/water	3,6
STYDENE	
STYRENE Partition coefficient: n-octanol/water	2,96
BCF	74
20.	
MALEIC ANHYDRIDE	



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Partition coefficient: n-octanol/water	-2,78
1,1 '- (p-tolylimino) dipropan-2-ol Partition coefficient: n-octanol/water	2.1 Log Kow apporting to (OECD Cuideling 107)
12.4. Mobility in soil	2,1 Log Kow according to (OECD Guideline 107)
XYLENE (MIXTURE OF ISOMERS)	
Partition coefficient: soil/water	2,73 equivalent or similar to OECD Guideline 121
STYRENE	
Partition coefficient: soil/water	352 (Section 4.3 of Chapter on QSAR in the TGD)
12.5. Results of PBT and vPvB assessment	
On the basis of available data, the product does not contain any	r PBT or vPvB in percentage ≥ than 0,1%.
12.6. Other adverse effects	
Information not available	
SECTION 13. Disposal considerations	

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 3269

14.2. UN proper shipping name

ADR / RID:	POLYESTER RESIN KIT (contens: styrene) MIXTURE
IMDG:	POLYESTER RESIN KIT (contens: styrene) MIXTURE
IATA:	POLYESTER RESIN KIT (contens: styrene) MIXTURE

14.3. Transport hazard class(es)

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ADR / RID:	Class: 3	Label: 3	8	
IMDG:	Class: 3	Label: 3	8	
IATA:	Class: 3	Label: 3	* * *	
4.4. Packing g ADR / RID, IN 4.5. Environm				
ADR / RID:	NO			
IMDG:	NO			
IATA:	NO			
4.6. Special p	recautions for user			
ADR / RID:	HIN - Kemler:	Limited Quantities: 5 L	Tunnel restriction code: (E)	
	Special Provision: -			
IMDG:	EMS: F-E, S-D	Limited Quantities: 5 L		
IATA:	Cargo:	Maximum quantity: 10 Kg	Packaging instructions: 370	
	Pass.:	Maximum quantity: 10 Kg	Packaging instructions: 370	

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: P5b

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point

nt	Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/ 2008:
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;
	(b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;
	(c) hazard class 4.1; (d) hazard class 5.1.
	40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3,

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	flammable solids category 1 or 2, substances and mixtures which, in flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyr regardless of whether they appear in Part 3 of Annex VI to that Regulation of	ophoric solids category 1,
Substances in Candidate L	ist (Art. 59 REACH)	
On the basis of available da	ata, the product does not contain any SVHC in percentage \geq than 0,1%.	
Substances subject to auth	orisation (Annex XIV REACH)	
None		
Substances subject to expo	prtation reporting pursuant to (EC) Reg. 649/2012:	
None		
Substances subject to the I	Rotterdam Convention:	
None		
Substances subject to the s	Stockholm Convention:	
None		
Healthcare controls		
	nemical agent must not undergo health checks, provided that available risk-assessment d are modest and that the 98/24/EC directive is respected.	ata prove that the risks related to the
15.2. Chemical safety as	ssessment	
A chemical safety assessm	ent has been performed for the following contained substances	
STYRENE		
SECTION 16. Oth	er information	
Text of hazard (H) indicatio	ons mentioned in section 2-3 of the sheet:	
Flam. Liq. 2	Flammable liquid, category 2	
Flam. Liq. 3	Flammable liquid, category 3	
Repr. 2	Reproductive toxicity, category 2	

Acute Tox. 2Acute toxicity, category 2Acute Tox. 4Acute toxicity, category 4STOT RE 1Specific target organ toxicity - repeated exposure, category 1Asp. Tox. 1Aspiration hazard, category 1STOT RE 2Specific target organ toxicity - repeated exposure, category 2



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Skin Corr. 1B	Skin corrosion, category 1B
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

PROC	1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC	10	Roller application or brushing
PROC	11	Non industrial spraying
PROC	3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC	4	Chemical production where opportunity for exposure arises
PROC	5	Mixing or blending in batch processes
PROC	8a	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities

LEGEND:

ADR: European Agreement concerning the carriage of Dangerous goods by Road
 CAS NUMBER: Chemical Abstract Service Number

- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level

EmS: Emergency Schedule GHS: Globally Harmonized System of classification and labeling of chemicals

IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50% IMDG: International Maritime Code for dangerous goods

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 TLV: Threshold Limit Value TLV CEILING: Concentration that sho TWA STEL: Short-term exposure limi TWA: Time-weighted average exposed VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioacd WGK: Water hazard classes (Germanner Structure) Regulation (EC) 1907/2006 (REACH-2) Regulation (EC) 1907/2008 (CLP) of 3 Regulation (EU) 2015/830 of the Euronomy Structure) Regulation (EU) 2015/830 of the Euronomy Structure) Regulation (EU) 2015/830 of the Euronomy Structure) Regulation (EU) 2015/2014 (II Atp. CL 6) Regulation (EU) 487/2013 (IV Atp. C2) Regulation (EU) 944/2013 (V Atp. C3) Regulation (EU) 2015/1221 (VII Atp. C1) Regulation (EU) 2015/1221 (VII Atp. C1) Regulation (EU) 2016/1179 (IX Atp. C1) Regulation (EU) 2017/776 (X Atp. C1) Regulation (EU) 2018/1480 (XIII Atp. 13. Regulation (EU) 2018/1480 (XIII Atp. 14. Regulation (EU) 2018/1480 (XIII Atp. 15. Regulation (EU) 2018/1480 (XIII Atp. 15. Regulation (EU) 2019/521 (XII Atp. 15. Regulation (EU) 2019/521 (XII Atp. 16. Regulation (EU) 2019/521 (XII Atp. 17. The Merck Index 10th Edition Handling Chemical Safety INRS - Fiche Toxicologique (toxicological exposite) Patty - Industrial Hygiene and Toxicological Safety INRS - Fiche Toxicologique (toxicological exposite) Database of SDS models for chemical Safety Note for users: The information contained in the press thoroughness of provided information at This document must not be regarded at The use of this product is not subject to laws and regulations. The producer is a Provide appointed staff with adequate CALCULATION METHODS FOR CLAS Chemical and physical hazards: Produce 	VI of CLP toxic as REACH Regulation intration ition national transport of dangerous goods by train puld not be exceeded during any time of occupational exposure. t ire limit cumulative as for REACH Regulation 1). 4) of the European Parliament (the European Parliament P) of the European Parliament CDP) of the European Parliament EVP) of the European Parliament EVP) of the European Parliament EVP) of the European Parliament CLP) CLP CLP) CLP) cles tical sheet) logy Justrial Materials-7, 1989 Edition sts - Ministry of Health and ISS (Istituto Superiore di Sanità) – Italy ent sheet are based on our own knowledge on the date of the last version. according to each specific use of the product. Is a guarantee on any specific product property. Is o our direct control; therefore, users must, under their own responsibility, com relieved from any liability arising from improper uses. SIFICATION to classification derives from criteria established by the CLP Regulation, Anne	ply with the current health and safety
chemical-physical properties are report Health hazards: Product classification	ted in section 9. is based on calculation methods as per Annex I of CLP, Part 3, unless determi	ned otherwise in Section 11.
	fication is based on calculation methods as per Annex I of CLP, Part 4, unless	
Training for workers:	undated and duration dopending on the risk profiles assigned to the business	soctors thou holong
worker training should include content	, updates and duration depending on the risk profiles assigned to the business	Sectors they belong