

: 22.11.2021

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**1:**

· 1.1

PAS5AB1

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· 1.3

IVM Chemicals Srl  
Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441

Environmental Health and safety office  
hseoffice@ivmchemicals.com

· 1.4

8.30 17.30 0039 038 425 441

: 0039 0384 254491

**2:**

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( ) 1272/2008

Flam. Liq. 3 H226  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
Skin Sens. 1 H317  
STOT RE 2 H373

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(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

xylene  
maleic anhydride  
Fatty acids, C14-18 and C16-18-unsatd., maleated

H226  
H315

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H319  
H317  
H373

P210

P241

P303+P361+P353

P305+P351+P338

P403+P235  
P501

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**2.3**

**PBT** ( )













**vPvB**

**PBT:**

**vPvB:**

**3:** ( )

**3.2**

CAS: 1330-20-7 EINECS: 215-535-7	xylene  Flam. Liq. 3, H226  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	10-14,99%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate  Flam. Liq. 3, H226  STOT SE 3, H336	2,5-4,99%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene  Flam. Liq. 2, H225  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H332 Aquatic Chronic 3, H412	2,5-4,99%
CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one  Repr. 2, H361  Eye Irrit. 2, H319; STOT SE 3, H335	0,5-<1%
CAS: 78-93-3 EINECS: 201-159-0	butanone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	0,5-<1%

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(NOx)  
( ) (CO)

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<b>1330-20-7 xylene</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 150 /m <sup>3</sup>
<b>123-86-4 n-butyl acetate</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 200 /m <sup>3</sup>
<b>100-41-4 ethylbenzene</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 150 /m <sup>3</sup>
<b>123-42-2 4-hydroxy-4-methylpentan-2-one</b>	
PDK	. . : 100 /m <sup>3</sup>
<b>78-93-3 butanone</b>	
PDK	. . : 200 /m <sup>3</sup> . . : 400 /m <sup>3</sup>
<b>77-99-6 propylidynetrimethanol</b>	
PDK	. . : 50 /m <sup>3</sup>
<b>108-31-6 maleic anhydride</b>	
PDK	. . : 1 /m <sup>3</sup> + ; A, +;

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**DNEL**

**1330-20-7 xylene**

( )	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ( )
	DNEL	77 /mc ( )
	DNEL	1 8 0 / b w / d ( )

**123-86-4 n-butyl acetate**

( )	DNEL	2 / bw/d ( )
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	600 /mc ( )
	DNEL	300 /mc ( )
	DNEL	300 /mc ( )
	DNEL	35,7 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	1 1 / b w / d ( )
	DNEL	6 / bw/d ( )
	DNEL	1 1 / b w / d ( )
	DNEL	6 / bw/d ( )

**100-41-4 ethylbenzene**

( )	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ( )
	DNEL	77 /mc ( )
	DNEL	1 8 0 / b w / d ( )

**123-42-2 4-hydroxy-4-methylpentan-2-one**

( )	DNEL acuto/agudo/ostre/aigu/acute/akut	240 /mc ( )
	DNEL	66,4 /mc ( )
	DNEL	9, 4 / b w / d ( )

**78-93-3 butanone**

( )	DNEL	600 /mc ( )
	DNEL	1 . 1 6 1 / b w / d ( )

**77-99-6 propylidynetrimethanol**

( )	DNEL	0, 3 4 / b w / d ( )
( )	DNEL	3,3 /mc ( )
	DNEL	0,58 /mc ( )
	DNEL	0, 9 4 / b w / d ( )
	DNEL	0, 3 4 / b w / d ( )

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<b>108-31-6 maleic anhydride</b>		( )	6)
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	0,8 /mc ( )	
	DNEL	0,4 /mc ( )	
<b>PNEC</b>			
<b>1330-20-7 xylene</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		0,327 /L ( )	
PNEC Suolo/earth/suelo/ /		2,31 / ( )	
<b>123-86-4 n-butyl acetate</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		0,18 /L ( )	
PNEC Suolo/earth/suelo/ /		0,0903 / ( )	
<b>100-41-4 ethylbenzene</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		0,1 /L ( )	
PNEC Suolo/earth/suelo/ /		2,68 / ( )	
<b>123-42-2 4-hydroxy-4-methylpentan-2-one</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		2 /L ( )	
PNEC Suolo/earth/suelo/ /		0,63 / ( )	
<b>78-93-3 butanone</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		55,8 /L ( )	
PNEC Suolo/earth/suelo/ /		22,5 / ( )	
<b>77-99-6 propylidynetrimethanol</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		1 /L ( )	
PNEC Suolo/earth/suelo/ /		0,241 / ( )	
<b>108-31-6 maleic anhydride</b>			
PNEC Acqua dolce/water/woda sýdka/eau/agua/		0,1 /L ( )	

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EN 374

89/686/ ..



**9: -**

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pH: /

124-128 °C

25 °C

370 °C

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<i>LD/LC50 ( / ),</i>		
<i>ATE ( (OOT))</i>		
( )	LD50	9.574 / ( )
( )	LC50/4	83,1 / ( )
<b>1330-20-7 xylene</b>		
( )	LD50.	3.523 / ( )
( )	LD50	1.100 / ( ) (ATE value)
( )	LD50.	12.126 / ( )
( )	LC50/4	11 / ( ) (ATE value)
( )	LC50/4 ..	27,571 / ( )
<b>123-86-4 n-butyl acetate</b>		
( )	LD50	10.760 / ( )
( )	LD50	14.000 / ( )
( )	LC50/4	21,1 / ( )
<b>100-41-4 ethylbenzene</b>		
( )	LD50	3.500 / ( )
( )	LD50	15.486 / ( )
( )	LC50/4	17,2 / ( )
<b>123-42-2 4-hydroxy-4-methylpentan-2-one</b>		
( )	LD50	3.002 / ( )
( )	LD50	13.630 / (rab)
( )	LD50.	1.876 / ( )
<b>78-93-3 butanone</b>		
( )	LD50	2.001 / ( )
( )	LD50	5.001 / ( )
( )	LC50/4	21 / ( )
<b>Fatty acids, C14-18 and C16-18-unsatd., maleated</b>		
( )	LD50	2.001 / ( )
<b>77-99-6 propylidynetrimechanol</b>		
( )	LD50	14.700 / ( )
( )	LD50	10.001 / ( )
<b>108-31-6 maleic anhydride</b>		
( )	LD50	400 / ( )
( )	LD50	2.620 / ( )

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<b>1330-20-7 xylene</b>	
EC50	2,2 / ( ) (72 .)
LC50 48 .	1 / ( )
LC50 (96 .)	2,6 / ( )
<b>123-86-4 n-butyl acetate</b>	
EC50	397 / ( ) (72 .)
	44 / ( ) (48 .)
LC50 (96 .)	18 / ( )
<b>100-41-4 ethylbenzene</b>	
EC50	438 / ( ) (72 .)
	1,8 / ( ) (48 .)
LC50 (96 .)	12,1 / ( )
<b>123-42-2 4-hydroxy-4-methylpentan-2-one</b>	
EC50	1.001 / ( ) (72 .)
	1.000 / ( ) (48 .)
LC50 (96 .)	101 / ( )
<b>78-93-3 butanone</b>	
EC50	2.029 / ( ) (96 .)
	308 / ( ) (48 .)
LC50 (96 .)	2.993 / ( )

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**Fatty acids, C14-18 and C16-18-unsatd., maleated**

EC50 101 / ( ) (72 .)  
101 / ( ) (48 .)  
LC50 48 . 151 / ( )

**77-99-6 propylidynetrimethanol**

EC50 1.001 / ( ) (72 .)  
13.000 / ( ) (48 .)  
LC50 (96 .) 1.001 / ( )

**108-31-6 maleic anhydride**

EC50 29 / ( ) (72 .)  
42,8 / ( ) (48 .)  
LC50 (96 .) 75 / ( )

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1330-20-7	xylene	.
123-86-4	n-butyl acetate	.
100-41-4	ethylbenzene	.

· 12.3

· 12.4

2 ( - ):

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) vPvB ( PBT ( )

· PBT:

· vPvB:

· 12.6

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**14: ( )**

<b>14.1</b>	<b>UN</b>	
	· ADR, IMDG	
	· IATA	UN1263
<b>14.2</b>		
	· ADR, IMDG	
	· IATA	PAINT
<b>14.3</b>		
	· ADR, ADN, IMDG	
	· IATA	
		
	· Class	3
	· Label	3
<b>14.4</b>		
	· ADR, IMDG	
	· IATA	III
<b>14.5</b>	:	
<b>14.6</b>		
<b>14.7</b>	<b>II</b>	
	<b>MARPOL73/78 (</b>	
	<b>) IBC Code (</b>	
	<b>)</b>	
	/ :	
	· ADR	> 450 : 3 F1, III
	· IMDG	> 450 : 3, III

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· UN "Model Regulation":

**15:**

· 15.1

2012/18/EU

1: 5000  
2: 50000

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· 15.2

**16:**

- H225
- H226
- H302
- H304
- H312
- H314
- H315
- H317
- H319
- H332
- H334

- H335
- H336
- H361

H372

H373

H412

: IVM Chemicals Srl

: Claudia Zanella

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 2: Flammable liquids . Category 2  
 Flam. Liq. 3: Flammable liquids . Category 3  
 Acute Tox. 4: Acute toxicity . Category 4  
 Skin Corr. 1B: Skin corrosion/irritation . Category 1B  
 Skin Irrit. 2: Skin corrosion/irritation . Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2  
 Resp. Sens. 1: Respiratory sensitisation . Category 1  
 Skin Sens. 1: Skin sensitisation . Category 1  
 Repr. 2: Reproductive toxicity . Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3  
 STOT RE 1: Specific target organ toxicity (repeated exposure) . Category 1  
 STOT RE 2: Specific target organ toxicity (repeated exposure) . Category 2  
 Asp. Tox. 1: Aspiration hazard . Category 1  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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