

: 19.10.2020

: 25.09.2020

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TQ166

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

Environmental Health and safety office  
hseoffice@ivmchemicals.com

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8.30 17.30 0039 038 425 441

: 0039 0384 254491

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( ) 1272/2008



Flam. Liq. 2 H225



Repr. 2 H361d  
STOT RE 2 H373



Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
STOT SE 3 H336

Aquatic Chronic 3 H412

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(EC) 1272/2008

(CLP).



toluene  
xylene  
ethyl acetate  
propan-2-ol

H225  
H315  
H319  
H361d  
H336  
H373

H412

P210

P241

P303+P361+P353

P305+P351+P338

P405

P501

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**PBT** ( )

**vPvB**

· **PBT:**

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CAS: 108-88-3 EINECS: 203-625-9	toluene ⚠ Flam. Liq. 2, H225 ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336 Aquatic Chronic 3, H412	20-<25%
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	15-19,99%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	5-9,99%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	5-9,99%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	5-9,99%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	5-9,99%
CAS: 64-17-5 EINECS: 200-578-6	ethanol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319	5-9,99%
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: 111-76-2 EINECS: 203-905-0	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2,499%
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<b>108-88-3 toluene</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 150 /m <sup>3</sup> ;
<b>1330-20-7 xylene</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 150 /m <sup>3</sup> ;
<b>141-78-6 ethyl acetate</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 200 /m <sup>3</sup> ;
<b>67-63-0 propan-2-ol</b>	
PDK	. . : 10 /m <sup>3</sup> . . : 50 /m <sup>3</sup> ;
<b>123-86-4 n-butyl acetate</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 200 /m <sup>3</sup> ;
<b>64-17-5 ethanol</b>	
PDK	. . : 1000 /m <sup>3</sup> . . : 2000 /m <sup>3</sup> ;
<b>100-41-4 ethylbenzene</b>	
PDK	. . : 50 /m <sup>3</sup> . . : 150 /m <sup>3</sup> ;
<b>111-76-2 2-butoxyethanol</b>	
PDK	. . : 5 /m <sup>3</sup> ;

<b>DNEL</b>	
<b>108-88-3 toluene</b>	
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut DNEL
	384 /mc ( ) 192 /mc ( )
<b>1330-20-7 xylene</b>	
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut DNEL DNEL
	289 /mc ( ) 77 /mc ( ) 1 8 0 / b w / d ( )

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<b>141-78-6 ethyl acetate</b>		
( )	DNEL	4,5 / bw/d ( )
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	1.468 /mc ( )
		734 /mc ( )
	DNEL	734 /mc ( )
		367 /mc ( )
	DNEL	6 3 / bw / d ( )
		37 / bw/d ( )
<b>67-63-0 propan-2-ol</b>		
( )	DNEL	26 / bw/d ( )
( )	DNEL	500 /mc ( )
		89 /mc ( )
	DNEL	8 8 8 / bw / d ( )
		3 1 9 / bw / d ( )
<b>110-19-0 isobutyl acetate</b>		
( )	DNEL	5 / bw/d ( )
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	600 /mc ( )
		300 /mc ( )
	DNEL	300 /mc ( )
		35,7 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	5 / bw/d ( )
	DNEL	1 0 / bw / d ( )
		5 / bw/d ( )
<b>123-86-4 n-butyl acetate</b>		
( )	DNEL	2 / bw/d ( )
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	600 /mc ( )
		300 /mc ( )
	DNEL	300 /mc ( )
		35,7 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	1 1 / bw / d ( )
		6 / bw/d ( )
	DNEL	1 1 / bw / d ( )
		6 / bw/d ( )
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<b>64-17-5 ethanol</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	1.900 /mc ( )
	DNEL	950 /mc ( )
	DNEL	3 4 3 / b w / d ( )
<b>100-41-4 ethylbenzene</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ( )
	DNEL	77 /mc ( )
	DNEL	1 8 0 / b w / d ( )
<b>111-76-2 2-butoxyethanol</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	1.091 /mc ( )
	DNEL	98 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	8 9 / b w / d ( )
	DNEL	1 2 5 / b w / d ( )
<b>PNEC</b>		
<b>108-88-3 toluene</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,68	/L ( )
PNEC Suolo/earth/suelo/ /地面	2,89	/ ( )
<b>1330-20-7 xylene</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,327	/L ( )
PNEC Suolo/earth/suelo/ /地面	2,31	/ ( )
<b>141-78-6 ethyl acetate</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,24	/L ( )
PNEC Suolo/earth/suelo/ /地面	0,148	/ ( )
<b>67-63-0 propan-2-ol</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	140,9	/L ( )
PNEC Suolo/earth/suelo/ /地面	28	/ ( )
<b>110-19-0 isobutyl acetate</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,17	/L ( )
PNEC Suolo/earth/suelo/ /地面	0,0755	/ ( )
<b>123-86-4 n-butyl acetate</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,18	/L ( )
PNEC Suolo/earth/suelo/ /地面	0,0903	/ ( )
<b>64-17-5 ethanol</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,96	/L ( )
PNEC Suolo/earth/suelo/ /地面	0,63	/ ( )
<b>100-41-4 ethylbenzene</b>		
PNEC Acqua dolce/water/woda sjodka/eau/agua/水	0,1	/L ( )
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PNEC Suolo/earth/suelo/ /地面	2,68 / (L)	( 8)
<b>111-76-2 2-butoxyethanol</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水	8,8 /L (L)	
PNEC Suolo/earth/suelo/ /地面	2,33 / (L)	

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pH:

77 °C

-4 °C

): ( ,

>370 °C

:

:

/

1 . %  
15 . %

20 °C: 97

20 °C: 0,918 /cm<sup>3</sup>

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(	10)
<b>20 °C:</b>	<b>25 s (ISO 6 mm)</b>
:	+
(	80,15 %
)	0,0 %
· <b>VOC (EC)</b>	<b>735,8 /</b>
:	<b>19,8 %</b>
· <b>9.2</b>	-

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· 10.1
· 10.2
· 10.3
· 10.4
· 10.5
· 10.6

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LD/LC50 ( / ),		
:		
<b>ATE ( (OOT))</b>		
( )	LD50	74.000 /
( )	LD50	6.025 /
( )	LC50/4	53,2 / ( )
<b>108-88-3 toluene</b>		
( )	LD50	5.000 / ( )
( )	LD50	12.124 / ( )
( )	LC50/4	25,7 / ( )

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**1330-20-7 xylene**

( )	LD50.	3.523 / ( )
( )	LD50	1.100 / ( ) (ATE value)
( )	LD50.	12.126 / ( )
( )	LC50/4 .	11 / ( ) (ATE value)
( )	LC50/4 ..	27,571 / ( )

**141-78-6 ethyl acetate**

( )	LD50	4.934 / ( )
( )	LD50	20.001 / ( )
( )	LC50/4 .	1.600 / ( )
( )	LC0	22,6 ppm ( )

**67-63-0 propan-2-ol**

( )	LD50	4.710 / ( )
( )	LD50	12.800 / ( )
( )	LC50/4 .	72,6 / ( )

**110-19-0 isobutyl acetate**

( )	LD50	13.400 / ( )
( )	LD50	17.401 / ( )
( )	LC50/4 .	31 / ( )

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

( )	LD50	10.760 / ( )
( )	LD50	14.000 / ( )
( )	LC50/4 .	21,1 / ( )

**64-17-5 ethanol**

( )	LD50	10.470 / ( )
( )	LD50	20.000 / ( )
( )	LC50/4 .	124,7 / ( )

**100-41-4 ethylbenzene**

( )	LD50	3.500 / ( )
( )	LD50	15.486 / ( )
( )	LC50/4 .	17,2 / ( )

**111-76-2 2-butoxyethanol**

( )	LD50	1.480 / ( )
( )	LD50	1.100 / (rab)
( )	LC50/4 .	11 / ( )

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<b>108-88-3 toluene</b>	
EC50	134 / ( ) (96 .)
	3,78 / ( ) (48 .)
LC50 (96 .)	5,5 / ( )
<b>1330-20-7 xylene</b>	
EC50	2,2 / ( ) (72 .)
LC50 48 .	1 / ( )
LC50 (96 .)	2,6 / ( )
<b>141-78-6 ethyl acetate</b>	
EC50	165 / ( ) (48 .)
LC50 (96 .)	230 / ( )
<b>67-63-0 propan-2-ol</b>	
EC50	1.001 / ( ) (72 .)
	10.000 / ( ) (24 .)
LC50 (96 .)	9.640 / ( )
<b>110-19-0 isobutyl acetate</b>	
EC50	370 / ( ) (72 .)
	25 / ( )
LC50 (96 .)	17 / ( )
<b>123-86-4 n-butyl acetate</b>	
EC50	397 / ( ) (72 .)
	44 / ( ) (48 .)
LC50 (96 .)	18 / ( )
<b>64-17-5 ethanol</b>	
EC50	5.012 / ( ) (48 .)

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		( 13)
LC50 (96 .)	15,3 / ( )	
<b>100-41-4 ethylbenzene</b>		
EC50	438 / ( ) (72 .)	
	1,8 / ( ) (48 .)	
LC50 (96 .)	12,1 / ( )	
<b>111-76-2 2-butoxyethanol</b>		
EC50	101 / ( ) (24 .)	
LC50 (96 .)	101 / ( )	

· 12.2

Toluene CAS n. 108-88-3  
( OECD, EU RAR)

108-88-3	toluene	.
1330-20-7	xylene	.
141-78-6	ethyl acetate	.
67-63-0	propan-2-ol	.
110-19-0	isobutyl acetate	.
123-86-4	n-butyl acetate	.
64-17-5	ethanol	.
100-41-4	ethylbenzene	.
111-76-2	2-butoxyethanol	.

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· 12.4

· 12.5

**PBT** (

) vPvB (

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· PBT:

· vPvB:

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· **14.1 UN**  
· ADR, IMDG, IATA UN1263

· **14.2**  
· ADR  
· IMDG, IATA PAINT

· **14.3**  
· ADR, IMDG, IATA



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· **14.4**  
· ADR, IMDG, IATA II

· **14.5** :  
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· **14.6** :

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· EMS: 33  
· Stowage Category F-E, S-E  
B

· **14.7** II

**MARPOL73/78** (  
) **IBC Code** (  
)

· / :  
· ADR  
· : (LQ) 5L : E2  
· : (EQ)

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<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <i>Limited quantities (LQ)</i></li> <li>· <i>Excepted quantities (EQ)</i></li> </ul>	<p style="text-align: right;">2 D/E</p> <hr style="border-top: 1px dotted black;"/> <p style="text-align: right;">5L Code: E2 Maximum net quantity per inner packaging: 30 Maximum net quantity per outer packaging: 500</p>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	<p style="text-align: right;">UN 1263 , 3, II</p>

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- 15.1 ,
- , 1907/2006 1272/2008
- 2012/18/EU
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· 15.2

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- H225
- H226
- H302
- H304
- H312
- H315
- H319
- H332
- H335
- H336
- H361d
- H373

H412

: IVM Chemicals Srl  
: Claudia Zanella

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ADR: Accord européen sur le transport 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  
 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 Irrit. 2: Skin corrosion/irritation . Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2  
 Repr. 2: Reproductive toxicity . Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3  
 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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