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: 21.03.2017

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· 1.2.

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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

· 2.1

() 1272/2008



Flam. Liq. 2 H225



STOT RE 2 H373



Skin Irrit. 2 H315

Eye Irrit. 2 H319

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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(1)		
xylene		
H225		
H315		
H319		
H373		
P210	/ / /	
P241		/
P303+P361+P353	():	/
P305+P351+P338	:	
P403+P235	/	
P501	/	
2.3	PBT () vPvB	
PBT:		
vPvB:		

3 /		
3.2		
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	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	10-14,99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	10-14,99%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332	2,5-4,99%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2,5-4,99%
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CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	(2) 1-2,499%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX	butanone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1-2,499%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX	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	0,1-<0,5%

16.

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<p>4.1</p> <p>()</p> <p>20</p> <p>48</p> <p>11</p>

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<p>5.1</p> <p>5.2</p> <p style="text-align: right;">4) RU</p>

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1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
/	
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³
/	
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³
/	
123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³
/	
78-93-3 butanone	
PDK	: 400 /m ³ : 200 /m ³
/	
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
/	

DNEL

1330-20-7 xylene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	289 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / b w / d ()
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / b w / d ()

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(5)	
100-41-4 ethylbenzene	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 293 /mc () DNEL 77 /mc () DNEL 180 / b w / d ()
141-78-6 ethyl acetate	
()	DNEL 4,5 / b w / d (popolazione)
()	DNEL acuto/agudo/ostre/aigu/acute/akut 1468 /mc () 734 /mc (popolazione) DNEL 734 /mc () 367 /mc (popolazione) DNEL 63 / b w / d () 37 / bw/d (popolazione)
123-86-4 n-butyl acetate	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 960 /mc () 859,7 /mc (popolazione) DNEL 480 /mc () 102,34 /mc (popolazione)
78-93-3 butanone	
()	DNEL 600 /mc () DNEL 1161 / b w / d ()
108-88-3 toluene	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 384 /mc () DNEL 192 /mc ()
PNEC	
1330-20-7 xylene	
PNEC Acqua dolce/water/woda sjdka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sjdka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sjdka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
141-78-6 ethyl acetate	
PNEC Acqua dolce/water/woda sjdka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()
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123-86-4 n-butyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,18 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda słodka/eau/agua	55,8 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()
108-88-3 toluene	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()

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EN 374

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pH:

/

77 °C

-4 °C

): (,

370 °C

:

/

1,0 . %
11,5 . %

20 °C: 105

20 °C: 1,3 /cm³

/

(n- /

20 °C: 101 s (ISO 6 mm)

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(8)				
<table border="1"> <tr> <td style="text-align: right;">VOC (EC)</td> <td style="text-align: right;">33,96 % 441,5 /</td> </tr> <tr> <td style="text-align: right;">9.2</td> <td style="text-align: right;">66,0 %</td> </tr> </table>	VOC (EC)	33,96 % 441,5 /	9.2	66,0 %
VOC (EC)	33,96 % 441,5 /			
9.2	66,0 %			

10
<ul style="list-style-type: none"> · 10.1 · 10.2 · 10.3 · 10.4 · 10.5 · 10.6

11
<ul style="list-style-type: none"> · 11.1
LD/LC50 (/),
:
1330-20-7 xylene
() LD50 3523 / (rat/szczur/mouse/souris/Maus/rat n)
() LD50 1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)
110-19-0 isobutyl acetate
() LD50 13400 / (rat/szczur/mouse/souris/Maus/rat n)
() LD50 17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)
() LC50/4 31 / (rat/szczur/mouse/souris/Maus/rat n)
100-41-4 ethylbenzene
() LD50 3500 / (rat/szczur/mouse/souris/Maus/rat n)
() LD50 15486 / (rabbit/kr lik/Kaninchen/conejo/lapin)
() LC50/4 17,2 / (rat/szczur/mouse/souris/Maus/rat n)
(10)

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141-78-6 ethyl acetate

()	LD50	4934 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LD50	20001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	1600 / (rat/szczur/mouse/souris/Maus/rat n)
	LC0	22,6 ppm (mouse)

123-86-4 n-butyl acetate

()	LD50	10760 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	14000 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	21,1 / (rat/szczur/mouse/souris/Maus/rat n)

78-93-3 butanone

()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50	21 / (rat/szczur/mouse/souris/Maus/rat n)

108-88-3 toluene

()	LD50	5000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	12124 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	25,7 / (rat/szczur/mouse/souris/Maus/rat n)

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12.1

110-19-0 isobutyl acetate

EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()

100-41-4 ethylbenzene

EC50	75 / (daphnia) (48 .)
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141-78-6 ethyl acetate

EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()

123-86-4 n-butyl acetate

EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()

78-93-3 butanone

EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)

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LC50 (96 .)	2993 / ()	(10)
108-88-3 toluene		
EC50	134 / () (3 .)	
	3,78 / (daphnia) (48 .)	
	58 / ()	
· 12.2	Toluene CAS n. 108-88-3 (OECD)	
· 12.3		
· 12.4		
	2 (-):	
· 12.5	PBT () vPvB ()	
· PBT:		
· vPvB:		
· 12.6		

13
· 13.1
080111

14	
· 14.1 UN	UN1263
· ADR, IMDG, IATA	
· 14.2	UN1263
· ADR	PAINT
· IMDG, IATA	
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(11)

· 14.3

· ADR, IMDG, IATA



· : 3
· : 3

· 14.4

· ADR, IMDG, IATA

III

· 14.5

· :
· :

· 14.6

· (): -
· **EMS:** F-E, S-E
· **Stowage Category** A

· 14.7

MARPOL73/78 (

II

) IBC Code (

)

· ADR

· (LQ) 5L
· (EQ) : E1

: 30

: 1000

· : 3
· : E

· **IMDG**

· **Limited quantities (LQ)**

· **Excepted quantities (EQ)**

5L

Code: E1

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 1000

· **UN "Model Regulation":**

UN 1263 , 3, III

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15

15.1

2012/18/EU

1: 5000

2: 50000

P

15.2

()

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16

H225

H226

H304

H312

H315

H319

H332

H335

H336

H361d

H373

H412

: IVM Chemicals Srl

: Carlo Porta

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

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Asp. Tox. 1: Aspiration hazard . Category 1 (13)
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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