

: 07.12.2017

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LNB42

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Environmental Health and safety office
hseoffice@ivmchemicals.com

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8.30 17.30 0039 038 425 441

: 0039 0384 254491

2

· 2.1

() 1272/2008



Flam. Liq. 2 H225



Eye Irrit. 2 H319
Skin Sens. 1 H317
STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

Aromatic polyisocyanate
isobutyl acetate
Aromatic polyisocyanate
n-butyl acetate

			(1)
H225			
H319			
H317			
H336			
P210	/ / /		
P241		/	
P303+P361+P353	():	/	
P305+P351+P338	:		
P405			
P501	/		
EUH204			
2.3	PBT ()	vPvB	
PBT:			
vPvB:			

3 /		
3.2 :		
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	30-39,99%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	25-29,99%
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	15-19,99%
CAS: 9017-01-0	Aromatic polyisocyanate Eye Irrit. 2, H319; Skin Sens. 1, H317	15-19,99%
CAS: 53317-61-6	Aromatic polyisocyanate Eye Irrit. 2, H319; Skin Sens. 1, H317	10-14,99%
16.		



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() 48'
· (8)
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123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³


(5)
RU

(4)		
141-78-6 ethyl acetate		
PDK	: 200 /m ³	
	: 50 /m ³	
DNEL		
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / bw/d ()
123-86-4 n-butyl acetate		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ()
	DNEL	859,7 /mc (popolazione)
		480 /mc ()
		102,34 /mc (popolazione)
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw/d (popolazione)
()	DNEL acuto/agudo/ostre/aigu/acute/akut	1.468 /mc ()
	DNEL	734 /mc (popolazione)
	DNEL	734 /mc ()
	DNEL	367 /mc (popolazione)
	DNEL	6,3 / bw/d ()
		37 / bw/d (popolazione)
PNEC		
110-19-0 isobutyl acetate		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,17 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()	
123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,18 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()	
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,26 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()	
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EN 374 89/686/ ..



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pH:

77 °C

-4 °C

370 °C

(7)

11

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LD/LC50 (/),		
110-19-0 isobutyl acetate		
()	LD50	13.400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17.401 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	31 / (rat/szczur/mouse/souris/Maus/rat n)
123-86-4 n-butyl acetate		
()	LD50	10.760 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	14.000 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	21,1 / (rat/szczur/mouse/souris/Maus/rat n)
141-78-6 ethyl acetate		
()	LD50	4.934 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LD50	20.001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	1.600 / (rat/szczur/mouse/souris/Maus/rat n)
	LC0	22,6 ppm (mouse)
9017-01-0 Aromatic polyisocyanate		
()	LD50	2.001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD TG 423)
53317-61-6 Aromatic polyisocyanate		
()	LD50	5.001 / (rat/szczur/mouse/souris/Maus/rat n)

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(9)

RU

/ (8)
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· 12.1

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110-19-0 isobutyl acetate	
EC50	370 / () (72 .) 25 / (daphnia)
LC50 (96 .)	17 / ()
123-86-4 n-butyl acetate	
EC50	648 / () (72 .) 44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
141-78-6 ethyl acetate	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()

· 12.2

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110-19-0	isobutyl acetate .
123-86-4	n-butyl acetate .
141-78-6	ethyl acetate .

· 12.3

· 12.4

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1 (-):

· 12.5

) vPvB (PBT ()

· PBT:

· vPvB:

· 12.6

13

· 13.1

080111

14

· 14.1 **UN**

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR
· IMDG, IATA

UN1263
PAINT

640D

· 14.3

· ADR, IMDG, IATA



3
3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

· 14.6

· EMS: ():
· Stowage Category

33
F-E, S-E
B

· 14.7

MARPOL73/78 (

) IBC Code (

)

II

		(10)
/ :		
<p>· ADR</p> <p>· (LQ) 5L : E2</p> <p>· (EQ) : 30</p> <p>· : 500</p> <p>· 2 D/E</p>		
<p>· IMDG</p> <p>· Limited quantities (LQ) 5L</p> <p>· Excepted quantities (EQ) Code: E2</p> <p>Maximum net quantity per inner packaging: 30</p> <p>Maximum net quantity per outer packaging: 500</p>		
<p>· UN "Model Regulation":</p>		<p>UN 1263 , .</p> <p>640D, 3, II</p>

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2012/18/EU

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2: 50000

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· 15.2 ()

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H225

H226

H317

H319

H336

· , : 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

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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
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
 Skin Sens. 1: Skin sensitisation . Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

1272/2008/EC
 ECHA -
 INRS Fiche Toxicologique

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(11)