

: 22.03.2017

: 21.03.2017

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· 1.1

TXS528

· 1.2.

· 1.3

IVM Chemicals Srl
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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



Repr. 2 H361d
STOT RE 2 H373

Asp. Tox. 1 H304



Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).

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toluene
Aromatic polyisocyanate
ethyl acetate
Aromatic polyisocyanate

H225
H315
H319
H317
H361d
H336
H373

H304

P210 / / /

P301+P310

P303+P361+P353 (/):

P305+P351+P338

P405
P501 /

EUH204

2.3

PBT () vPvB

PBT:
vPvB:

3 /

3.2

3)
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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	30-39,99%
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	20-<25%
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	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	5-9,99%

16.

4

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48

20

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(4)

7.3

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141-78-6 ethyl acetate

PDK : 200 /m³
: 50 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

DNEL

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)

108-88-3 toluene

()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()

123-86-4 n-butyl acetate

()	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ()
		859,7 /mc (popolazione)

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	DNEL	480 /mc () 102,34 /mc (popolazione)
26471-62-5 m-tolylidene diisocyanate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	0,14 /mc ()
	DNEL	0,035 /mc ()
PNEC		
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sŕpdka/eau/agua	0,26 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()	
108-88-3 toluene		
PNEC Acqua dolce/water/woda sŕpdka/eau/agua	0,68 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()	
123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sŕpdka/eau/agua	0,18 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()	
26471-62-5 m-tolylidene diisocyanate		
PNEC Acqua dolce/water/woda sŕpdka/eau/agua	0,013 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	1,1 / ()	

8.2



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/ EN 374 89/686/ .. / , /

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pH:

77 °C

-4 °C

370 °C

1,2 . %
11,5 . %

20 °C: 97

20 °C: 0,946 /cm³

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		(7)
		20 °C:	29 s (ISO 3 mm)
			+
			77,40 %
· VOC (EC)			732,2 /
· 9.2			22,5 %

10

- 10.1
- 10.2
- 10.3
- 10.4
- 10.5
- 10.6

11

- 11.1

		LD/LC50 (/),	
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)

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	LC0	22,6 ppm (mouse)	() 8)
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)	
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)	
9017-01-0 Aromatic polyisocyanate			
()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD TG 423)	
53317-61-6 Aromatic polyisocyanate			
()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n)	
26471-62-5 m-tolyldiene diisocyanate			
()	LD50	5110 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	9401 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
()	LC50/4	0,107 / (rat/szczur/mouse/souris/Maus/rat n)	

12

12.1

141-78-6 ethyl acetate	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()
108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()

() 10)

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123-86-4 n-butyl acetate

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

26471-62-5 m-tolylidene diisocyanate

EC50 12,5 / (daphnia) (48 .)
LC50 (96 .) 133 / (Leuciscus idus melanotus)

· 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

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

640D

· IMDG, IATA

PAINT

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(10)

· 14.3

· ADR, IMDG, IATA



· 3
· 3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

:

:

· 14.6

:

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

· 14.7

II

MARPOL73/78 ()
) IBC Code ()
)

· ADR

· (LQ) 5L : E2
· (EQ) : 30
· : 500
· 2
· D/E

· IMDG

· Limited quantities (LQ) 5L
· Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30
Maximum net quantity per outer packaging: 500

· UN "Model Regulation":

UN 1263
640D, 3, II

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15

15.1

1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

P

15.2

16

H225
H226
H304
H315
H317
H319
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

Skin Irrit. 2: Skin corrosion/irritation . Category 2

Eye Irrit. 2: Serious eye damage/eye irritation . Category 2

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 2: Specific target organ toxicity (repeated exposure) . Category 2

Asp. Tox. 1: Aspiration hazard . Category 1

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Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3 (12)

1272/2008/EC
ECHA -
INRS Fiche Toxicologique
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