

: 22.03.2017

: 21.03.2017

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IVM Chemicals Srl
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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

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() 1272/2008



Flam. Liq. 2 H225



Resp. Sens. 1 H334

Carc. 2 H351

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

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(EC) 1272/2008

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toluene
ethyl acetate
4,4'-methylenediphenyl diisocyanate
Aromatic polyisocyanate

H225
H315
H319
H334

H317
H351
H361d
H336
H373

H304

P210 / / /

P301+P310 :

P303+P361+P353 (/):

P305+P351+P338 :

P405
P501 /

EUH204

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PBT () **vPvB**

PBT:
vPvB:

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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: 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: 101-68-8 EINECS: 202-966-0 Reg.nr.: 02-2119457014-47-XXXX	4,4'-methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	5-9,99%
CAS: 53317-61-6	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	2,5-4,99%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	2,5-4,99%
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	2,5-4,99%

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		:
141-78-6 ethyl acetate		
PDK		: 200 /m ³ : 50 /m ³
	/	
108-88-3 toluene		
PDK		: 150 /m ³ : 50 /m ³
	/	
101-68-8 4,4'-methylenediphenyl diisocyanate		
PDK		: 0,5 /m ³
	+	
108-65-6 2-methoxy-1-methylethyl acetate		
PDK		: 10 /m ³
	/	
78-93-3 butanone		
PDK		: 400 /m ³ : 200 /m ³
	/	
DNEL		
141-78-6 ethyl acetate		
()	DNEL	4, 5 / b w / d (popolazione)

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()	DNEL acuto/agudo/ostre/ aigu/acute/akut	1468 /mc ()
	DNEL	734 /mc (popolazione) 734 /mc ()
	DNEL	367 /mc (popolazione) 63 / bw / d () 37 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / bw / d ()
101-68-8 4,4'-methylenediphenyl diisocyanate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	0,1 /mc () (effetti sistemici)
	DNEL	0,05 /mc () (effetti sistemici)
	DNEL acuto/agudo/ostre/ aigu/acute/akut	50 / bw / d () (effetti sistemici)
108-65-6 2-methoxy-1-methylethyl acetate		
()	DNEL	275 /mc ()
	DNEL	153,5 / bw / d ()
78-93-3 butanone		
()	DNEL	600 /mc ()
	DNEL	1161 / bw / d ()

PNEC

141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,26 /L ()	
PNEC Suolo/earth/suolo/sol/gleba/	0,24 / ()	
108-88-3 toluene		
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,68 /L ()	
PNEC Suolo/earth/suolo/sol/gleba/	2,89 / ()	
110-19-0 isobutyl acetate		
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,17 /L ()	
PNEC Suolo/earth/suolo/sol/gleba/	0,0755 / ()	
101-68-8 4,4'-methylenediphenyl diisocyanate		
PNEC Acqua dolce/water/woda sypdka/eau/agua	1 /L ()	
PNEC Suolo/earth/suolo/sol/gleba/	1 / ()	

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108-65-6 2-methoxy-1-methylethyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,635 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda słodka/eau/agua	55,8 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()

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pH:

77 °C

-4 °C

315 °C

1,2 . %
11,5 . %

20 °C:

105

20 °C:

0,936 /cm³

(n-

20 °C:

29 s (ISO 3 mm)

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()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)	9)
()	LC50/4	31 / (rat/szczur/mouse/souris/Maus/rat n)	
101-68-8 4,4'-methylenediphenyl diisocyanate			
()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	9401 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
53317-61-6 Aromatic polyisocyanate			
()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n)	
108-65-6 2-methoxy-1-methylethyl acetate			
()	LD50	8532 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
()	LC50/4	35,7 / (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)	

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141-78-6 ethyl acetate			
EC50	165	/ (daphnia) (48 .)	
LC50 (96 .)	230	/ ()	
108-88-3 toluene			
EC50	134	/ () (3 .)	
	3,78	/ (daphnia) (48 .)	
	58	/ ()	
110-19-0 isobutyl acetate			
EC50	370	/ () (72 .)	

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	25 / (daphnia)	(10)
LC50 (96 .)	17 / ()		
101-68-8 4,4'-methylenediphenyl diisocyanate			
EC50	1001 / (daphnia) (24 .)		
LC50 (96 .)	1001 / () (96 .)		
108-65-6 2-methoxy-1-methylethyl acetate			
EC50	1001 / () (72 .)		
	501 / (daphnia) (48 .)		
LC50 (96 .)	134 / ()		
78-93-3 butanone			
EC50	2029 / () (96 .)		
	308 / (daphnia) (48 .)		
LC50 (96 .)	2993 / ()		

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Toluene CAS n. 108-88-3
OECD)

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PBT (

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· PBT:

· vPvB:

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14

· 14.1 UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

, 640D

· IMDG, IATA

PAINT

· 14.3

· ADR, IMDG, IATA



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3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

· 14.6

· EMS: ():
· Stowage Category

33

F-E, S-E

B

· 14.7

MARPOL73/78 (

II

) IBC Code (

)

· ADR

(LQ)

5L

(EQ)

: E2

: 30

: 500

2

D/E

· IMDG

· Limited quantities (LQ)

5L

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· *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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1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

· P

· 15.2

16

H225
H226
H304
H315
H317
H319
H332
H334

H335
H336
H351
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

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ELINCS: European List of Notified Chemical Substances () 13)
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
Resp. Sens. 1: Respiratory sensitisation . Category 1
Skin Sens. 1: Skin sensitisation . Category 1
Carc. 2: Carcinogenicity . 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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