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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



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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GHS02



GHS07



GHS08

toluene
Aromatic polyisocyanate
n-butyl acetate
Aromatic polyisocyanate

H225
H315
H319
H317
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: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	30-39,99%
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	25-29,99%
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: 9017-01-0	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	10-14,99%
CAS: 53317-61-6	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	5-9,99%

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123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³
/	
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³
/	
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
/	

DNEL

123-86-4 n-butyl acetate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	960 /mc () 859,7 /mc (popolazione) 480 /mc () 102,34 /mc (popolazione)
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 () 734 /mc (popolazione) DNEL 734 /mc () 367 /mc (popolazione) DNEL 63 / bw / d () 37 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc () DNEL 192 /mc ()
26471-62-5 m-tolylidene diisocyanate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	0,14 /mc () DNEL 0,035 /mc ()

PNEC

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 / ()

108-88-3 toluene

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()

26471-62-5 m-tolylidene diisocyanate

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,013 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	1,1 / ()

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EN 374

89/686/



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pH:

77 °C

-4 °C

370 °C

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/	
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:	1,2 %
:	11,5 %
20 °C:	97
20 °C:	0,952 /cm ³
/	
(n- /	
):	
20 °C:	29 s (ISO 3 mm)
(+	
) VOC (EC)	76,53 % 728,5 /
9.2	23,4 %

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LD/LC50 (/),

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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)

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)

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)

9017-01-0 Aromatic polyisocyanate

()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD TG 423)
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53317-61-6 Aromatic polyisocyanate

()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n)
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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)

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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 / ()
108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()
26471-62-5 m-tolyidene diisocyanate	
EC50	12,5 / (daphnia) (48 .)
LC50 (96 .)	133 / (Leuciscus idus melanotus)

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Toluene CAS n. 108-88-3

(OECD)

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) vPvB (

PBT (

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· PBT:

· vPvB:

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UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

· IMDG, IATA

PAINT

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640D

· 14.3

· ADR, IMDG, IATA



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· ADR, IMDG, IATA

II

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· EMS:

F-E, S-E

· Stowage Category

B

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MARPOL73/78 (

II

) IBC Code (

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· ADR		(LQ)	5L
·		(EQ)	: E2
·			: 30
·			: 500
· IMDG			2
· Limited quantities (LQ)			D/E
· Excepted quantities (EQ)			
			5L
			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

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- H225
- H226
- H304
- H315
- H317
- H319
- H336
- H361d
- H373

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H412

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: 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
 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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