

: 14.02.2017

: 10.02.2017

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TXS580

: **SECONDO COMPONENTE PU**

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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



Resp. Sens. 1 H334

Repr. 2 H361d



Eye Irrit. 2 H319

Skin Sens. 1 H317

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

: 14.02.2017

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Polyisocyanate HDI / TDI
n-butyl acetate
toluene
m-tolylidene diisocyanate

H225
H319
H334

H317
H361d
H336

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

EUH204

2.3

PBT ()

vPvB

PBT:
vPvB:

3 /

3.2

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	40-49,99%
CAS: 26426-91-5	Polyisocyanate HDI / TDI Eye Irrit. 2, H319; Skin Sens. 1, H317	25-29,99%
CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119485796-17-XXXX	Homopolymers of HDI Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	10-14,99%

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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⁾ 5-9,99%
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	3-4,99%
CAS: 108-94-1 EINECS: 203-631-1	cyclohexanone Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-2,499%
CAS: 822-06-0 EINECS: 212-485-8 Reg.nr.: 01-2119457571-37-XXXX	hexamethylene diisocyanate Acute Tox. 1, H330 Resp. Sens. 1, H334 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	0,1-<0,5%
CAS: 26471-62-5 EINECS: 247-722-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolidene diisocyanate Acute Tox. 2, H330 Resp. Sens. 1, H334; Carc. 2, H351 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 Aquatic Chronic 3, H412	0,1-<0,5%

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48

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() 3)

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: SECONDO COMPONENTE PU

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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
108-94-1 cyclohexanone	
PDK	: 30 /m ³ : 10 /m ³
822-06-0 hexamethylene diisocyanate	
PDK	: 0,05 /m ³

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DNEL		
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)
28182-81-2 Homopolymers of HDI		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	1 /mc ()
	DNEL	0,5 /mc ()
78-93-3 butanone		
()	DNEL	600 /mc ()
	DNEL	1 1 6 1 / b w / d ()
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
108-94-1 cyclohexanone		
()	DNEL	40 /mc ()
	DNEL	4 / bw/d ()
822-06-0 hexamethylene diisocyanate		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	0,07 /mc ()
	DNEL	0,035 /mc ()
26471-62-5 m-tolyldiene 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 / ()
28182-81-2 Homopolymers of HDI	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,127 /L ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	55,8 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()
108-88-3 toluene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()
108-94-1 cyclohexanone	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0435 / ()

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822-06-0 hexamethylene diisocyanate		(6)
PNEC Acqua dolce/water/woda słodka/eau/agua	0,075 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0027 / ()	
26471-62-5 m-tolylidene diisocyanate		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,013 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	1,1 / ()	

8.2



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EN 374

89/686/

(8)

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pH:

79 °C

-4 °C

370 °C

1,2 . %
11,5 . %

20 °C: 105

20 °C: 0,995 /cm³

(n- /

20 °C: 29 s (ISO 3 mm)

9)

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()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)	(9)
()	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)	
108-94-1 cyclohexanone			
()	LD50	1535 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	1100 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
()	LC50/4	11 / (rat/szczur/mouse/souris/Maus/rat n)	
822-06-0 hexamethylene diisocyanate			
()	LD50	738 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	593 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LC50/4	0,124 / (rat/szczur/mouse/souris/Maus/rat n)	
26471-62-5 m-tolylidene 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)	

OECD TG 429

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: SECONDO COMPONENTE PU

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· 12.1

123-86-4 n-butyl acetate	
EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
28182-81-2 Homopolymers of HDI	
EC50	1001 / () (72 .)
	127 / (daphnia) (48 .)
LC50 (96 .)	100 / ()
78-93-3 butanone	
EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)
LC50 (96 .)	2993 / ()
108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()
108-94-1 cyclohexanone	
EC50	101 / () (72 .)
LC50 (96 .)	527 / ()
822-06-0 hexamethylene diisocyanate	
EC50	77,5 / () (72 .)
	89,2 / (daphnia) (48 .)
LC50 (96 .)	82,9 / ()
26471-62-5 m-tolyldiene 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

1 (-):

· 12.5

PBT (

) vPvB ()

· PBT:

· vPvB:

(12)

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: SECONDO COMPONENTE PU

· 12.6

(11)

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· 13.1

080111

14

· 14.1 **UN**
· ADR, IMDG, IATA

UN1263

· 14.2
· ADR
· IMDG, IATA

UN1263 , . 640D
PAINT

· 14.3
· ADR, IMDG, IATA



3
3

· 14.4
· ADR, IMDG, IATA

II

· 14.5 :
:

· 14.6

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

(13)
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: SECONDO COMPONENTE PU

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· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· ADR

(LQ)

5L

(EQ)

: E2

: 30

: 500

2

D/E

· IMDG

· Limited quantities (LQ)

· 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

15

· 15.1

2012/18/EU

1: 5000

2: 50000

· P

· 15.2

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H225

H226

H302

H304

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H312
H315
H317
H318
H319
H330
H332
H334

H335
H336
H351
H361d
H373

H412

(13)

: 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. 1: Acute toxicity . Category 1
Acute Tox. 2: Acute toxicity . Category 2
Acute Tox. 4: Acute toxicity . Category 4
Skin Irrit. 2: Skin corrosion/irritation . Category 2
Eye Dam. 1: Serious eye damage/eye irritation . Category 1
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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