

: 14.02.2017

: 10.02.2017

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TXS580

: **SECONDO COMPONENTE PU**

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IVM Chemicals Srl

Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441

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

Repr. 2 H361d



Eye Irrit. 2 H319

Skin Sens. 1 H317

STOT SE 3 H336

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(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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:

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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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**TXS580**  
**: SECONDO COMPONENTE PU**

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	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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: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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<b>123-86-4 n-butyl acetate</b>	
PDK	: 200 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>78-93-3 butanone</b>	
PDK	: 400 /m <sup>3</sup> : 200 /m <sup>3</sup>
<b>108-88-3 toluene</b>	
PDK	: 150 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>108-94-1 cyclohexanone</b>	
PDK	: 30 /m <sup>3</sup> : 10 /m <sup>3</sup>
<b>822-06-0 hexamethylene diisocyanate</b>	
PDK	: 0,05 /m <sup>3</sup>

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**TXS580**  
**: SECONDO COMPONENTE PU**

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<b>DNEL</b>		
<b>123-86-4 n-butyl acetate</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ( )
	DNEL	859,7 /mc (popolazione) 480 /mc ( ) 102,34 /mc (popolazione)
<b>28182-81-2 Homopolymers of HDI</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	1 /mc ( )
	DNEL	0,5 /mc ( )
<b>78-93-3 butanone</b>		
( )	DNEL	600 /mc ( )
	DNEL	1 1 6 1 / b w / d ( )
<b>108-88-3 toluene</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ( )
	DNEL	192 /mc ( )
<b>108-94-1 cyclohexanone</b>		
( )	DNEL	40 /mc ( )
	DNEL	4 / bw/d ( )
<b>822-06-0 hexamethylene diisocyanate</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	0,07 /mc ( )
	DNEL	0,035 /mc ( )
<b>26471-62-5 m-tolyldiene diisocyanate</b>		
( )	DNEL acuto/agudo/ostre/aigu/acute/akut	0,14 /mc ( )
	DNEL	0,035 /mc ( )

<b>PNEC</b>		
<b>123-86-4 n-butyl acetate</b>		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,18 /L ( )	
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ( )	
<b>28182-81-2 Homopolymers of HDI</b>		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,127 /L ( )	
<b>78-93-3 butanone</b>		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	55,8 /L ( )	
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ( )	
<b>108-88-3 toluene</b>		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ( )	
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ( )	
<b>108-94-1 cyclohexanone</b>		
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ( )	
PNEC Suolo/earth/suelo/sol/gleba/	0,0435 / ( )	

( 7)

: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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

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: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**



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pH:	
79 °C	
-4 °C	
370 °C	
1,2 . %	
11,5 . %	
20 °C:	105
20 °C:	0,995 /cm <sup>3</sup>
(n- /	
):	
20 °C:	29 s (ISO 3 mm)



**TXS580**  
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:	
( +	
)	57,92 %
. <b>VOC (EC)</b>	576,3 /
:	41,9 %
<b>9.2</b>	-

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LD/LC50 ( / ),

**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)

**26426-91-5 Polyisocyanate HDI / TDI**

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

**28182-81-2 Homopolymers of HDI**

( )	LD50	2501 / (rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	2001 / (rabbit/kr lik/Kaninchen/conejo/lapin)

**78-93-3 butanone**

( )	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n)
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**TXS580**  
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( )	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
( )	LC50	21 / (rat/szczur/mouse/souris/Maus/rat n)
<b>108-88-3 toluene</b>		
( )	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)
<b>108-94-1 cyclohexanone</b>		
( )	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)
<b>822-06-0 hexamethylene diisocyanate</b>		
( )	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)
<b>26471-62-5 m-tolylidene diisocyanate</b>		
( )	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

**TXS580**  
**: SECONDO COMPONENTE PU**

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

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**PBT** (

) vPvB (

)

· PBT:

· vPvB:

: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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· 14.1 **UN**  
· ADR, IMDG, IATA

UN1263

· 14.2  
· ADR  
· IMDG, IATA

UN1263 , . 640D  
PAINT

· 14.3  
· ADR, IMDG, IATA



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3

· 14.4  
· ADR, IMDG, IATA

II

· 14.5 :  
:

· 14.6

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

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**TXS580**  
**: 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

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2012/18/EU

1: 5000

2: 50000

· P

· 15.2

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H225

H226

H302

H304

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: 14.02.2017

: 10.02.2017

**TXS580**  
**: SECONDO COMPONENTE PU**

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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