

: 20.03.2017

: 11.03.2017

1

· 1.1

TXS517

: **SECONDO COMPONENTE PU**

· 1.2.

· 1.3

IVM Chemicals Srl

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

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



Eye Irrit. 2 H319

Skin Sens. 1 H317

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

(1)

Aromatic polyisocyanate
isobutyl acetate
m-tolylidene diisocyanate
Aromatic polyisocyanate
Aromatic polyisocyanate

H225
H319
H334

H317
H336

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

EUH204

2.3

PBT () vPvB

PBT:
vPvB:

3 /

3.2

CAS: 53317-61-6	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	30-39,99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	20-<25%
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	10-14,99%
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	10-14,99%

(3)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

CAS: 528598-79-0	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	5-9,99%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-4,99%
CAS: 9017-01-0	Aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2,499%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332	1-2,499%
CAS: 26471-62-5 EINECS: 247-722-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolyldiene 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%

16.

4

· 4.1

· 4.2

· 4.3

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

(3)

5

· 5.1

· 5.2

· 5.3

6

()

· 6.1

· 6.2

· 6.3

· 6.4

13.

7.

8.

13.

7

· 7.1

· 7.2

5)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

7.3

8

8.1

141-78-6 ethyl acetate

PDK : 200 /m³
: 50 /m³

123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

DNEL

110-19-0 isobutyl acetate

()	DNEL	243 /mc ()
	DNEL	4,95 / b w / d ()

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	6,3 / b w / d ()

6)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

		37 / bw/d (popolazione) ⁵⁾
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)
1330-20-7 xylene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / bw/d ()
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / bw/d ()
26471-62-5 m-tolyldiene diisocyanate		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	0,14 /mc ()
	DNEL	0,035 /mc ()

PNEC

110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()
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 / ()
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 / ()
1330-20-7 xylene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
26471-62-5 m-tolyldiene diisocyanate	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,013 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	1,1 / ()

7)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

8.2



/
EN 374

89/686/



9

9.1

8)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

(7)

pH:	
	77 °C
	-4 °C
	370 °C
	1,0 %
	11,5 %
20 °C:	97
20 °C:	1,06 /cm ³
	(n- /
	20 °C: 29 s (ISO 3 mm)
	(+
VOC (EC)	51,96 %
	550,8 /
9.2	47,8 %

10

- 10.1
- 10.2

(9)

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

- 10.3
- 10.4
- 10.5
- 10.6

11

· 11.1

LD/LC50 (/),		
53317-61-6 Aromatic polyisocyanate		
()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n)
110-19-0 isobutyl acetate		
()	LD50	13400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	31 / (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)
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)
528598-79-0 Aromatic polyisocyanate		
()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n)
1330-20-7 xylene		
()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)
9017-01-0 Aromatic polyisocyanate		
()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD TG 423)
100-41-4 ethylbenzene		
()	LD50	3500 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	15486 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	17,2 / (rat/szczur/mouse/souris/Maus/rat n)

(10)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

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)

(LLNA -)

OECD TG 429

12

12.1

110-19-0 isobutyl acetate	
EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()
141-78-6 ethyl acetate	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()
123-86-4 n-butyl acetate	
EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
100-41-4 ethylbenzene	
EC50	75 / (daphnia) (48 .)

(11)

RU

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

26471-62-5 m-tolylidene diisocyanate

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

· 12.2

· 12.3

· 12.4

· 12.5

· PBT:

· vPvB:

· 12.6

PBT (

) vPvB (

)

13

· 13.1

080111

14

· 14.1

UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

· IMDG, IATA

UN1263

PAINT

640D

· 14.3

· ADR, IMDG, IATA



3

12)

RU

TXS517
: SECONDO COMPONENTE PU

(11)

3	
· 14.4	ADR, IMDG, IATA II
· 14.5	:
· 14.6	:
· EMS:	33
· Stowage Category	F-E, S-E B
· 14.7	II
MARPOL73/78 () IBC Code ()	
/ :	
· ADR	(LQ) 5L : E2
	(EQ) : 30
	: 500
	2 D/E
· IMDG	5L
· Limited quantities (LQ)	Code: E2
· Excepted quantities (EQ)	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

1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

· P

(13)

TXS517
: SECONDO COMPONENTE PU

(12)

15.2

16

H225
 H226
 H304
 H312
 H315
 H317
 H319
 H330
 H332
 H334

H335
 H336
 H351
 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

Acute Tox. 4: Acute toxicity . Category 4

Acute Tox. 2: Acute toxicity . Category 2

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

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

(14)

: 20.03.2017

: 11.03.2017

TXS517
: SECONDO COMPONENTE PU

(13)

1272/2008/EC
ECHA -
INRS Fiche Toxicologique
.*

RU