

: 05.06.2017

: 05.06.2017

1

· 1.1

PL800/10

: **CONVERTER TNT BIANCO OP10**

· 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



STOT RE 2 H373



Skin Irrit. 2 H315

Eye Irrit. 2 H319

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

PL800/10
: CONVERTER TNT BIANCO OP10

xylene

H225
H315
H319
H373

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P403+P235 /
P501 /

2.3

PBT ()

vPvB

PBT:
vPvB:

3

3.2

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	10-14,99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	5-9,99%
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	2,5-4,99%
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	1-2,499%

3)

RU

PL800/10
: CONVERTER TNT BIANCO OP10

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⁾ 1-2,499%
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	1-2,499%
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	0,1-<0,5%

16.

4

4.1

()
(8)
(20)
48

4.2

4.3

5

5.1

(⁴⁾
RU

: 05.06.2017

: 05.06.2017

PL800/10
: CONVERTER TNT BIANCO OP10

· 5.2

· 5.3

3)

6

· 6.1

· 6.2

· 6.3

· 6.4

13.

13.

7.

8.

7

· 7.1

· 7.2

8

5)

RU

: 05.06.2017

: 05.06.2017

PL800/10
: CONVERTER TNT BIANCO OP10

7.3

4)

8

8.1

1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³
123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³
78-93-3 butanone	
PDK	: 400 /m ³ : 200 /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	
1330-20-7 xylene	
()	DNEL acuto/agudo/ostre/ aigu/acute/akut 289 /mc ()
	DNEL 77 /mc ()
	DNEL 180 / b w / d ()
110-19-0 isobutyl acetate	
()	DNEL 243 /mc ()
	DNEL 4,95 / b w / d ()

6)

RU

PL800/10
: CONVERTER TNT BIANCO OP10

(5)		
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / bw/d ()
123-86-4 n-butyl acetate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	960 /mc ()
	DNEL	859,7 /mc (popolazione)
	DNEL	480 /mc ()
	DNEL	102,34 /mc (popolazione)
78-93-3 butanone		
()	DNEL	600 /mc ()
	DNEL	1161 / bw/d ()
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw/d (popolazione)
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	1468 /mc ()
	DNEL	734 /mc (popolazione)
	DNEL	734 /mc ()
	DNEL	367 /mc (popolazione)
	DNEL	63 / bw/d ()
	DNEL	37 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()

PNEC

1330-20-7 xylene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
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 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
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 / ()

PL800/10
: CONVERTER TNT BIANCO OP10

78-93-3 butanone		(6)
PNEC Acqua dolce/water/woda słodka/eau/agua	55,8 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()		
141-78-6 ethyl acetate			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,26 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()		
108-88-3 toluene			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,68 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()		

8.2



/
EN 374

89/686/

: 05.06.2017

: 05.06.2017

PL800/10
: CONVERTER TNT BIANCO OP10



9

9.1

pH:

78 °C

-4 °C

370 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 1,3 /cm³

(n- /

20 °C: 101 s (ISO 6 mm)

9)

RU

: 05.06.2017

: 05.06.2017

PL800/10
: CONVERTER TNT BIANCO OP10

(8)

	:		
(+	
)			35,22 %
VOC (EC)			457,8 /
	:		64,8 %
9.2			

10

10.1

10.2

10.3

10.4

10.5

10.6

11

11.1

LD/LC50 (/),		
:		
1330-20-7 xylene		
()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	2001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	27,571 / (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)
100-41-4 ethylbenzene		
()	LD50	3500 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	15486 / (rabbit/kr lik/Kaninchen/conejo/lapin)

(10)

PL800/10
: CONVERTER TNT BIANCO OP10

			9)
()	LC50/4 .	17,2 /	(rat/szczur/mouse/souris/Maus/rat n)
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)
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)
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)

12

12.1

		:
110-19-0 isobutyl acetate		
EC50	370 /	() (72 .)
	25 /	(daphnia)
LC50 (96 .)	17 /	()
100-41-4 ethylbenzene		
EC50	75 /	(daphnia) (48 .)
123-86-4 n-butyl acetate		
EC50	648 /	() (72 .)
	44 /	(daphnia) (48 .)
LC50 (96 .)	18 /	()
78-93-3 butanone		
EC50	2029 /	() (96 .)
	308 /	(daphnia) (48 .)
LC50 (96 .)	2993 /	()

(11)

PL800/10
: CONVERTER TNT BIANCO OP10

141-78-6 ethyl acetate		(10)
EC50	165 / (daphnia) (48 .)		
LC50 (96 .)	230 / ()		
108-88-3 toluene			
EC50	134 / () (96 .)		
	3,78 / (daphnia) (48 .)		
LC50 (96 .)	5,5 / ()		

· 12.2

1330-20-7	xylene	.
110-19-0	isobutyl acetate	.
100-41-4	ethylbenzene	.
123-86-4	n-butyl acetate	.
78-93-3	butanone	.
141-78-6	ethyl acetate	.
108-88-3	toluene	.

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB ()

· PBT:

· vPvB:

· 12.6

13

· 13.1

080111

PL800/10
: CONVERTER TNT BIANCO OP10

(11)

14

· **14.1 UN**

· ADR, IMDG, IATA

UN1263

· **14.2**

· ADR

UN1263

· IMDG, IATA

PAINT

· **14.3**

· ADR, IMDG, IATA



·

3

·

3

· **14.4**

· ADR, IMDG, IATA

III

· **14.5**

·

· **14.6**

· EMS: (): -
· Stowage Category

F-E, S-E
A

· **14.7**

MARPOL73/78 (

II

) IBC Code (

)

·

· ADR

·

·

(LQ)

5L

(EQ)

: E1

: 30

: 1000

·

·

3

E

· **IMDG**

· Limited quantities (LQ)

· Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 1000

(13)

PL800/10
: CONVERTER TNT BIANCO OP10

· UN "Model Regulation":

UN 1263

, 3, III

(12)

15

· 15.1

1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

· P

· 15.2

16

- H225
- H226
- H304
- H312
- H315
- H319
- H332
- H335
- H336
- 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

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

(14)

: 05.06.2017

: 05.06.2017

PL800/10
: CONVERTER TNT BIANCO OP10

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
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

(13)

1272/2008/EC
ECHA -
INRS Fiche Toxicologique

. *

RU