




1:

- 1.1
· LZC2
· : **DILUENTE PU INDUSTRIALE**
- 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 038425441
: 0039 0384 254491

2:

- 2.1
· () 1272/2008
-  GHS02
Flam. Liq. 2 H225
-  GHS08
Repr. 2 H361d
STOT RE 2 H373
Asp. Tox. 1 H304
-  GHS07
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H336
Aquatic Chronic 3 H412
- 2.2
· () 1272/2008
(CLP).

LZC2
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(.1)



n-

H225
H315
H319
H361d
H336
H373

H304

H412

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

P501

2.3

PBT vPvB

PBT:

vPvB:










3: /

3.2

(.3)

LZC2
: DILUENTE PU INDUSTRIALE

(.2)

CAS: 108-88-3 EINECS: 203-625-9	 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	30-49,9%
CAS: 67-64-1 EINECS: 200-662-2	 Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	20-24,9%
CAS: 141-78-6 EINECS: 205-500-4	 Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	20-24,9%
CAS: 123-86-4 EINECS: 204-658-1	n-  Flam. Liq. 3, H226  STOT SE 3, H336	12,5-15%

16.

4:

· 4.1

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- 48

(20).

· 4.2 -

· 4.3 11.

5:

· 5.1

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**LZC2
: DILUENTE PU INDUSTRIALE**

. : (.3)
· 5.2 ,
· 5.3 ,
:

6:

· 6.1 ,
· 6.2 :
· 6.3 / / :
(,) . 13.
· 6.4 7.
8.
13.

7:

· 7.1 /
· 7.2 , :
(.5)
BG

**LZC2
: DILUENTE PU INDUSTRIALE**

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8

· 7.3 () () ()

8:

7.

· 8.1

108-88-3	
TLV (BG)	15 min: 384,0 /m ³ , 100 ppm 8 : 192,0 /m ³ , 50 ppm
67-64-1	
TLV (BG)	15 min: 1400 /m ³ 8 : 600 /m ³
IOELV (EU)	8 : 1210 /m ³ , 500 ppm
PEL (US)	8 : 2400 /m ³ , 1000 ppm
REL (US)	8 : 590 /m ³ , 250 ppm
TLV (US)	15 min: 1187 /m ³ , 500 ppm 8 : 594 /m ³ , 250 ppm
<i>BEI</i>	
141-78-6	
TLV (BG)	8 : 800 /m ³
PEL (US)	8 : 1400 /m ³ , 400 ppm
REL (US)	8 : 1400 /m ³ , 400 ppm
TLV (US)	8 : 1440 /m ³ , 400 ppm
123-86-4 n-	
TLV (BG)	15 min: 950 /m ³ 8 : 710 /m ³
PEL (US)	8 : 710 /m ³ , 150 ppm
REL (US)	15 min: 950 /m ³ , 200 ppm 8 : 710 /m ³ , 150 ppm
TLV (US)	15 min: 712 /m ³ , 150 ppm 8 : 238 /m ³ , 50 ppm
DNEL-	
108-88-3	
	DNEL acuto/agudo/ostre/aigu/ acute/akut
	384 /mc (Lav/workers/i iler/ ouvriers/trabajado)

(.6)

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	DNEL	192 /mc (Lav/workers/ou ouvriers/trabajado)
67-64-1		
	DNEL	62 / bw/d (popolazione)
	DNEL acuto/agudo/ostre/aigu/ acute/akut	2420 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	1210 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	200 /mc (popolazione)
	DNEL	186 / bw/d (Lav/workers/ou ouvriers/trabajado)
	DNEL	62 / bw/d (popolazione)
141-78-6		
	DNEL	4,5 / bw/d (popolazione)
	DNEL acuto/agudo/ostre/aigu/ acute/akut	1468 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	734 /mc (popolazione)
	DNEL	734 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	367 /mc (popolazione)
	DNEL	63 / bw/d (Lav/workers/ou ouvriers/trabajado)
	DNEL	37 / bw/d (popolazione)
123-86-4 n-		
	DNEL acuto/agudo/ostre/aigu/ acute/akut	960 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	859,7 /mc (popolazione)
	DNEL	480 /mc (Lav/workers/ou ouvriers/trabajado)
	DNEL	102,34 /mc (popolazione)

. PNEC-

108-88-3

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

67-64-1

PNEC Acqua dolce/water/woda s jodka/eau/agua	10,6 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	29,5 / ()

141-78-6

PNEC Acqua dolce/water/woda s jodka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()

123-86-4 n-

PNEC Acqua dolce/water/woda s jodka/eau/agua	0,18 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()

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108-88-3	
BEI (US)	<p>0,02 /L Medium: blood Time: prior to last shift of workweek Parameter: Toluene</p> <p>0,03 /L Medium: urine Time: end of shift Parameter: Toluene</p> <p>0,3 / creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)</p>
67-64-1	
BEI (US)	<p>50 /L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)</p>

8.2



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(.7)



9:

· 9.1

· pH-

56 °C

-17 °C

370 °C

1,2 . %
13,0 . %

20 °C:

233

20 °C:

0,84 /cm³

(.9)

LZC2
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(.8)

20 °C:	29 s (ISO 3 mm)
(VOC)	
VOC (EC)	100,00 % 840,0 /
9.2	

10:

- 10.1
- 10.2
- 10.3
- 10.4
- 10.5
- 10.6

11:

- 11.1

		LD/LC50 (/)
108-88-3		
LD50	5000 /	(rat/szczur/mouse/souris/Maus/rat n)
LD50	12 124 /	(rabbit/kr lik/Kaninchen/conejo/lapin)
LC50/4	25,7 /	(rat/szczur/mouse/souris/Maus/rat n)
67-64-1		
LD50	5800 /	(rat/szczur/mouse/souris/Maus/rat n)
LD50	20000 /	(rabbit/kr lik/Kaninchen/conejo/lapin)
LC50/4	76 /	(rat/szczur/mouse/souris/Maus/rat n)
141-78-6		
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)

(.10)

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123-86-4 n-

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)

CMR-**12:****12.1**

108-88-3	
EC50	134 / (Alghe) (3 .) 3,78 / (daphnia) (48 .) 58 / (pesce)
67-64-1	
EC50	8800 / (daphnia)
LC50 (96 .)	5540 / (pesce)
141-78-6	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / (pesce)
123-86-4 n-	
EC50	648 / (Alghe) (72 .) 44 / (daphnia) (48 .)
LC50 (96 .)	18 / (pesce)

12.2

Toluene CAS n. 108-88-3
OECD)

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· 12.3

· 12.4

(.10)

2 ():

· 12.5

· PBT:

· vPvB:

· 12.6

PBT vPvB

13:

· 13.1

CER-

080111

14:

· 14.1

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

· IMDG, IATA

UN1263

PAINT

640D

· 14.3

()

· ADR, IMDG, IATA



3

3

· 14.4

· ADR, IMDG, IATA

II

(.12)

LZC2
: DILUENTE PU INDUSTRIALE

(.11)

· 14.5

· 14.6

· EMS(

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33
: F-E,S-E

· Stowage Category

B

· 14.7

IBC

II MARPOL

· ADR

(LQ)
(EQ)

5L
: 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

81 04/09/2008
2012/18/

5

: 5000

2 : 50000 t

161/2006 (2004/42 /) -

Seveso P5c 5

5.000 t

50.000 t

() 1907/2006

XVII

: 3, 48

(.13)

LZC2
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(.12)

· 15.2

16:

H225

H226

H304

H315

H319

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: 2

Flam. Liq. 3: 3

Skin Irrit. 2: / 2

Eye Irrit. 2: / 2

Repr. 2: 2

STOT SE 3: () 3

STOT RE 2: () 2

Asp. Tox. 1: 1

Aquatic Chronic 3: 3

() 1272/2008

ECHA

INRS - Fiche toxicologique

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