

: 31.05.2017

: 31.05.2017

1

· 1.1

PL90/20

: **OPACO PIGM ELETTR. BIANCO**

· 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

PL90/20
: OPACO PIGM ELETTR. BIANCO

xylene

H225
H315
H319
H373

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P403+P235 /
P501 /

EUH208

E96096.

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, H225 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	15-19,99%
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	2,5-4,99%

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CAS: 54839-24-6 EINECS: 259-370-9 Reg.nr.: 01-2119475116-39-XXXX	2-ethoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	(2) 2,5-4,99%
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	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	1-2,499%
ELINCS: 434-430-9 Reg.nr.: 01-0000018057-71-XXXX	E96096 Skin Sens. 1, H317 Aquatic Chronic 4, H413	0,1-<0,5%

16.

4

4.1

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(20)
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4.2

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· 5.1

· 5.2

· 5.3

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· 6.1

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· 6.3

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· 7.1

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(4)

7.3

8

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1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

78-93-3 butanone

PDK : 400 /m³
: 200 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

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 ()

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(5)		
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()
	DNEL	77 /mc ()
	DNEL	1 8 0 / b w / d ()
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)
54839-24-6 2-ethoxy-1-methylethyl acetate		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	608 /mc ()
	DNEL	302 /mc ()
	DNEL	1 0 3 / b w / d ()
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 ()
E96096		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	18 /mc ()
	DNEL	3 /mc ()

PNEC

1330-20-7 xylene		
PNEC Acqua dolce/water/woda sjoedka/eau/agua	0,327	/L ()
PNEC Suolo/earth/suolo/sol/gleba/	2,31	/ ()
110-19-0 isobutyl acetate		
PNEC Acqua dolce/water/woda sjoedka/eau/agua	0,17	/L ()
PNEC Suolo/earth/suolo/sol/gleba/	0,0755	/ ()
100-41-4 ethylbenzene		
PNEC Acqua dolce/water/woda sjoedka/eau/agua	0,1	/L ()
PNEC Suolo/earth/suolo/sol/gleba/	2,68	/ ()
123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sjoedka/eau/agua	0,18	/L ()
PNEC Suolo/earth/suolo/sol/gleba/	0,0903	/ ()
54839-24-6 2-ethoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda sjoedka/eau/agua	1,3	/L ()

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PNEC Suolo/earth/suelo/sol/gleba/	1,34 / ()	(6)
78-93-3 butanone		
PNEC Acqua dolce/water/woda s'jodka/eau/agua	55,8 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()	
108-88-3 toluene		
PNEC Acqua dolce/water/woda s'jodka/eau/agua	0,68 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()	
E96096		
PNEC Acqua dolce/water/woda s'jodka/eau/agua	0,0368 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	103906 / ()	

8.2



EN 374

89/686/

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· 9.1

pH:

78 °C

-4 °C

370 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 1,25 /cm³

(n- /

20 °C: 55 s (ISO 6 mm)

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(8)

	:		
	(+	
)		35,88 %
	VOC (EC)		448,6 /
	:		64,1 %
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)

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()	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)
54839-24-6 2-ethoxy-1-methylethyl acetate			
()	LD50	5000	/ (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	2001	/ (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50	20,1	/ (rat/szczur/mouse/souris/Maus/rat n) (4 .)
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)
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)
E96096			
()	LD50	2001	/ (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	2001	/ (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	/ ()	
54839-24-6 2-ethoxy-1-methylethyl acetate			
EC50	110	/ (daphnia)	(48 .)

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LC50 (96 .)	101 / ()	(10)
78-93-3 butanone		
EC50	2029 / () (96 .)	
	308 / (daphnia) (48 .)	
LC50 (96 .)	2993 / ()	
108-88-3 toluene		
EC50	134 / () (96 .)	
	3,78 / (daphnia) (48 .)	
LC50 (96 .)	5,5 / ()	
E96096		
EC50	101 / () (72 .)	
	101 / (daphnia) (48 .)	
LC50 (96 .)	101 / ()	

· 12.2

1330-20-7	xylene	.
110-19-0	isobutyl acetate	.
100-41-4	ethylbenzene	.
123-86-4	n-butyl acetate	.
54839-24-6	2-ethoxy-1-methylethyl acetate	.
78-93-3	butanone	.
108-88-3	toluene	.

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB ()

· PBT:

· vPvB:

· 12.6

13

· 13.1

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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** :

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

· **14.7** II

MARPOL73/78 (
) IBC Code (
)

· ADR (LQ) 5L : E2
· (EQ)
· : 30
· : 500
· 2
· D/E

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(12)

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

1L

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

1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· P

· 15.2

16

H225

H226

H304

H312

H315

H317

H319

H332

H335

H336

H361d

H373

H412

H413

: 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)

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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
 Skin Irrit. 2: Skin corrosion/irritation . Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
 Skin Sens. 1: Skin sensitisation . Category 1
 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
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard . Category 4

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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