

: 31.05.2017

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· 1.1

PL90/30

: **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

Asp. Tox. 1 H304



Skin Irrit. 2 H315

Eye Irrit. 2 H319

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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: OPACO PIGM. ELETTR BIANCO

xylene

H225

H315

H319

H373

H304

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

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, 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	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%

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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) 2,5-4,99%
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	1-2,499%
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.

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()

48

(8)

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(20)

4.2

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· 5.1

· 5.2

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· 6.1

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7.3

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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
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 ()

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	DNEL	77 /mc ()	5)
	DNEL	180 / b w / d ()	
110-19-0 isobutyl acetate			
()	DNEL	243 /mc ()	
	DNEL	4,95 / b w / d ()	
100-41-4 ethylbenzene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ()	
	DNEL	77 /mc ()	
	DNEL	180 / b w / 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)	
54839-24-6 2-ethoxy-1-methylethyl acetate			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	608 /mc ()	
	DNEL	302 /mc ()	
	DNEL	103 / b w / d ()	
78-93-3 butanone			
()	DNEL	600 /mc ()	
	DNEL	1161 / 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 sypdka/eau/agua 0,327 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 2,31 / ()

110-19-0 isobutyl acetate

PNEC Acqua dolce/water/woda sypdka/eau/agua 0,17 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 0,0755 / ()

100-41-4 ethylbenzene

PNEC Acqua dolce/water/woda sypdka/eau/agua 0,1 /L ()

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PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()	(6)
123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,18 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()	
54839-24-6 2-ethoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda sŕodka/eau/agua	1,3 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	1,34 / ()	
78-93-3 butanone		
PNEC Acqua dolce/water/woda sŕodka/eau/agua	55,8 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()	
108-88-3 toluene		
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,68 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()	
E96096		
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,0368 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	103906 / ()	

8.2



EN 374

89/686/

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pH:

78 °C

-4 °C

370 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 1,35 /cm³

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(8)

(n- /	
20 °C:	40 s (ISO 4 mm)
VOC (EC)	34,40 % 464,4 /
9.2	65,6 %

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- 10.1
- 10.2

· 10.3

· 10.4

· 10.5

· 10.6

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- 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)

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(9)		
()	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)
()	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

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:		
110-19-0 isobutyl acetate		
EC50	370 / ()	(72 .)
	25 / (daphnia)	
LC50 (96 .)	17 / ()	
100-41-4 ethylbenzene		
EC50	75 / (daphnia)	(48 .)

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123-86-4 n-butyl acetate		(10)
EC50	648 / () (72 .)		
	44 / (daphnia) (48 .)		
LC50 (96 .)	18 / ()		
54839-24-6 2-ethoxy-1-methylethyl acetate			
EC50	110 / (daphnia) (48 .)		
LC50 (96 .)	101 / ()		
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

Toluene CAS n. 108-88-3
(OECD, EU RAR)

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

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13

· 13.1

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14

· 14.1 **UN**

· 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

· 14.5

· 14.6

· EMS: ():
· Stowage Category

33
F-E, S-E
B

· 14.7

MARPOL73/78 (

II

) IBC Code (

)

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(12)

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

(14)

RU

PL90/30
: OPACO PIGM. ELETTR BIANCO

H361d
 H373

H412
 H413

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: 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
 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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