

: 31.05.2017

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1

· 1.1

PL90/85

: **OPACO PIGMENTATO 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

: 31.05.2017

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PL90/85
: OPACO PIGMENTATO BIANCO

(1)

xylene

H225
H315
H319
H373

H304

P210 / / /

P301+P310 : /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

EUH208 E96096, Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine.

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%

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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) 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	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%
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%
Reg.nr.: 01-2120101675-63-XXXX	Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine STOT RE 2, H373 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,1-<0,5%

16.

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48

20

4)

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· 4.2
· 4.3

() 3)

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· 5.1
· 5.2
· 5.3

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· 6.1
· 6.2
· 6.3
· 6.4

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7. 8.

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7.2

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
78-93-3 butanone	
PDK	: 400 /m ³ : 200 /m ³
123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³

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<i>DNEL</i>		
1330-20-7 xylene		
()	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	289 /mc ()
	<i>DNEL</i>	77 /mc ()
	<i>DNEL</i>	180 / b w / d ()
110-19-0 isobutyl acetate		
()	<i>DNEL</i>	243 /mc ()
	<i>DNEL</i>	4,95 / b w / d ()
100-41-4 ethylbenzene		
()	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	293 /mc ()
	<i>DNEL</i>	77 /mc ()
	<i>DNEL</i>	180 / b w / d ()
78-93-3 butanone		
()	<i>DNEL</i>	600 /mc ()
	<i>DNEL</i>	1161 / b w / d ()
123-86-4 n-butyl acetate		
()	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	960 /mc ()
	<i>DNEL</i>	859,7 /mc (popolazione)
	<i>DNEL</i>	480 /mc ()
	<i>DNEL</i>	102,34 /mc (popolazione)
108-88-3 toluene		
()	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	384 /mc ()
	<i>DNEL</i>	192 /mc ()
E96096		
()	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	18 /mc ()
	<i>DNEL</i>	3 /mc ()

PNEC

1330-20-7 xylene	
<i>PNEC Acqua dolce/water/woda sypdka/eau/agua</i>	0,327 /L ()
<i>PNEC Suolo/earth/suelo/sol/gleba/</i>	2,31 / ()
110-19-0 isobutyl acetate	
<i>PNEC Acqua dolce/water/woda sypdka/eau/agua</i>	0,17 /L ()
<i>PNEC Suolo/earth/suelo/sol/gleba/</i>	0,0755 / ()
100-41-4 ethylbenzene	
<i>PNEC Acqua dolce/water/woda sypdka/eau/agua</i>	0,1 /L ()
<i>PNEC Suolo/earth/suelo/sol/gleba/</i>	2,68 / ()

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

8.2



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EN 374

89/686/

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pH:

78 °C

-4 °C

370 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 1,261 /cm³

(n- /

20 °C: 40 s (ISO 4 mm)

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VOC (EC)		33,95 %	428,1 /
9.2		66,1 %	

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)
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)
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)
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 .)
78-93-3 butanone	
EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)
LC50 (96 .)	2993 / ()
123-86-4 n-butyl acetate	
EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
108-88-3 toluene	
EC50	134 / () (96 .)
	3,78 / (daphnia) (48 .)

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LC50 (96 .)	5,5 / ()	(10)
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	.
78-93-3	butanone	.
123-86-4	n-butyl acetate	.
108-88-3	toluene	.

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB (

)

· PBT:

· vPvB:

· 12.6

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· 13.1

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14

· 14.1 UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

, 640D

· IMDG, IATA

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

(EQ)

: E2

: 30

: 500

·

2

·

D/E

· IMDG

· Limited quantities (LQ)

5L

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(12)

· *Excepted quantities (EQ)*

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

2012/18/EU

1: 5000
2: 50000

· P

· 15.2

16

H225
H226
H302
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)

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

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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