

: 18.03.2017

: 09.03.2017

1

· 1.1

TO07

: **OPACO PUR TRASP 5 GLOSS**

· 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



Repr. 2 H361d

STOT RE 2 H373



Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H335

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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TO07
: OPACO PUR TRASP 5 GLOSS

xylene
toluene

H225
H315
H319
H361d
H335
H373

P210

P241

P303+P361+P353

P305+P351+P338

P405
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	30-39,99%
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	5-9,99%

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CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	2,5-4,99%
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	3-4,99%
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: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	1-2,499%
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%

16.

4

· 4.1

48

· 4.2

· 4.3

11

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5

· 5.1

· 5.2

· 5.3

6

· 6.1

· 6.2

· 6.3

· 6.4

7

· 7.1

· 7.2

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: OPACO PUR TRASP 5 GLOSS

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(4)

7.3

8

8.1

1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

78-93-3 butanone

PDK : 400 /m³
: 200 /m³

108-65-6 2-methoxy-1-methylethyl acetate

PDK : 10 /m³

123-86-4 n-butyl acetate

PDK : 200 /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 ()

6)

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		(5)
100-41-4 ethylbenzene			
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()	
	DNEL	77 /mc ()	
	DNEL	180 / b w / d ()	
110-19-0 isobutyl acetate			
()	DNEL	243 /mc ()	
	DNEL	4,95 / b w / d ()	
108-88-3 toluene			
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()	
	DNEL	192 /mc ()	
78-93-3 butanone			
()	DNEL	600 /mc ()	
	DNEL	1161 / b w / d ()	
108-65-6 2-methoxy-1-methylethyl acetate			
()	DNEL	275 /mc ()	
	DNEL	153,5 / 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)	

PNEC

1330-20-7 xylene	
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()
108-88-3 toluene	
PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda sŕodka/eau/agua	55,8 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()

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108-65-6 2-methoxy-1-methylethyl acetate		(6)
PNEC Acqua dolce/water/woda słodka/eau/agua	0,635 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()	
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 / ()	

8.2



/
EN 374

89/686/

(8)

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· 9.1

pH:

78 °C

-4 °C

315 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 0,995 /cm³

(n- /

20 °C: 38 s (ISO 6 mm)

9)

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(8)

·	:	50,58 %
·	:	0,4 %
· VOC (EC)	:	503,3 /
· 9.2	:	49,1 %

10

· 10.1

· 10.2

· 10.3

· 10.4

· 10.5

· 10.6

11

· 11.1

<i>LD/LC50 (/),</i>		
1330-20-7 xylene		
()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)
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)
110-19-0 isobutyl acetate		
()	LD50	13400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)

10)

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()	LC50/4 .	31 / (rat/szczur/mouse/souris/Maus/rat n)	9)
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)	
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)	
108-65-6 2-methoxy-1-methylethyl acetate			
()	LD50	8532 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
()	LC50/4 .	35,7 / (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)	

12

12.1

100-41-4 ethylbenzene	
EC50	75 / (daphnia) (48 .)
110-19-0 isobutyl acetate	
EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()
108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()
78-93-3 butanone	
EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)
LC50 (96 .)	2993 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	1001 / () (72 .)

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	501 / (daphnia) (48 .)	(10)
LC50 (96 .)	134 / ()		
123-86-4 n-butyl acetate			
EC50	648 / () (72 .)		
	44 / (daphnia) (48 .)		
LC50 (96 .)	18 / ()		

· 12.2

Toluene CAS n. 108-88-3
OECD)

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB (

· PBT:

· vPvB:

· 12.6

13

· 13.1

080111

14

· 14.1

UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

640D

· IMDG, IATA

PAINT

(12)

RU

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· **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**

· *MARPOL73/78* (II
) *IBC Code* (
)

· *ADR*

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

· *IMDG*

· *Limited quantities (LQ)* 5L
· *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

(RU 13)

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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

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

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STOT RE 2: Specific target organ toxicity (repeated exposure) . Category 2 (13)

Asp. Tox. 1: Aspiration hazard . Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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