

: 07.04.2017

: 07.04.2017

1

· 1.1

TS365

: **FIN ACR TRASP 15 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 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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toluene
xylene
isobutyl acetate
ethyl acetate

H225
H315
H319
H361d
H336
H373

P210

P241

P303+P361+P353

P305+P351+P338

P405

P501

EUH208

methyl methacrylate, 2-hydroxyethyl methacrylate.

2.3

PBT (

) vPvB

PBT:

vPvB:

3

3.2

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	20-<25%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	10-14,99%

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CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-14,99%
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	10-14,99%
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	5-9,99%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	2,5-4,99%
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: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1-2,499%
CAS: 80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28-XXXX	methyl methacrylate ⚠ Flam. Liq. 2, H225 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	0,5-<1%
CAS: 868-77-9 EINECS: 212-782-2 Reg.nr.: 01-2119490169-29-XXXX	2-hydroxyethyl methacrylate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,1-<0,5%

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48

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· 4.2
· 4.3

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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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· 7.1

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7.2

7.3

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8.1

108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³
1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³
108-65-6 2-methoxy-1-methylethyl acetate	
PDK	: 10 /m ³
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³

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67-63-0 propan-2-ol		
PDK	: 50 /m ³ : 10 /m ³	/
80-62-6 methyl methacrylate		
PDK	: 20 /m ³ : 10 /m ³	/
DNEL		
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / bw / d ()
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw / d (popolazione)
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	1468 /mc ()
	DNEL	734 /mc (popolazione) 734 /mc ()
	DNEL	367 /mc (popolazione)
	DNEL	6,3 / bw / d ()
		37 / bw/d (popolazione)
1330-20-7 xylene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	289 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / bw / 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)
108-65-6 2-methoxy-1-methylethyl acetate		
()	DNEL	275 /mc ()
	DNEL	153,5 / bw / d ()

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		6)	
100-41-4 ethylbenzene			
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()	
	DNEL	77 /mc ()	
	DNEL	1 8 0 / b w / d ()	
67-63-0 propan-2-ol			
()	DNEL	26 / bw/d (popolazione)	
()	DNEL	500 /mc ()	
		89 /mc (popolazione)	
	DNEL	8 8 8 / b w / d ()	
		3 1 9 / b w / d (popolazione)	
868-77-9 2-hydroxyethyl methacrylate			
()	DNEL	1 , 3 / b w / d ()	
()	DNEL	4,9 /mc ()	
PNEC			
108-88-3 toluene			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()		
110-19-0 isobutyl acetate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,17 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()		
141-78-6 ethyl acetate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,26 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()		
1330-20-7 xylene			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()		
123-86-4 n-butyl acetate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,18 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()		
108-65-6 2-methoxy-1-methylethyl acetate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,635 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()		
100-41-4 ethylbenzene			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()		
67-63-0 propan-2-ol			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	140,9 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	28 / ()		
868-77-9 2-hydroxyethyl methacrylate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,482 /L ()		

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PNEC Suolo/earth/suelo/sol/gleba/

0,476 / (L)

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EN 374

89/686/



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(8)

9

9.1

<i>pH:</i>	
	77 °C
	-4 °C
	315 °C
	1,0 %
	12,0 %
20 °C:	97
20 °C:	0,925 /cm ³
	(n- /
	20 °C: 25 s (ISO 6 mm)
VOC (EC)	77,24 % 714,4 /

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· 9.2 : 22,8 %

10

· 10.1

· 10.2

· 10.3

· 10.4

· 10.5

· 10.6

11

· 11.1

LD/LC50 (/),

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)

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)

141-78-6 ethyl acetate

()	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)

1330-20-7 xylene

()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)

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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)
108-65-6 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)
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)
67-63-0 propan-2-ol		
()	LD50	4710 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	12800 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	72,6 / (rat/szczur/mouse/souris/Maus/rat n)
80-62-6 methyl methacrylate		
()	LD50	7872 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	78 / (rat/szczur/mouse/souris/Maus/rat n)
868-77-9 2-hydroxyethyl methacrylate		
()	LD50	5050 / (rat/szczur/mouse/souris/Maus/rat n)

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12.1

108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()
110-19-0 isobutyl acetate	
EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()
141-78-6 ethyl acetate	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()

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123-86-4 n-butyl acetate	
EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	1001 / () (72 .)
	501 / (daphnia) (48 .)
LC50 (96 .)	134 / ()
100-41-4 ethylbenzene	
EC50	75 / (daphnia) (48 .)
67-63-0 propan-2-ol	
EC50	1001 / () (72 .)
	10000 / (daphnia) (24 .)
LC50 (96 .)	9640 / ()
80-62-6 methyl methacrylate	
EC50	170 / () (72 .)
LC50 (96 .)	191 / ()
868-77-9 2-hydroxyethyl methacrylate	
LC50 (96 .)	240 / ()

• 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

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(12)

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			
· EMS:	():	33	
· Stowage Category		F-E, S-E	
		B	
· 14.7			
MARPOL73/78 (II		
) IBC Code (
)			
· ADR			
· (LQ)		5L	
· (EQ)		: E2	
			: 30
			: 500
· 2			
· D/E			

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(13)

· 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**

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

: 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

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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

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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