

: 07.04.2017

: 07.04.2017

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· 1.1

TS368

: **FIN ACR TRASP 3 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

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(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:

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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	15-19,99%
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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	15-19,99%
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: 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	5-9,99%
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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<b>108-88-3 toluene</b>	
PDK	: 150 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>1330-20-7 xylene</b>	
PDK	: 150 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>141-78-6 ethyl acetate</b>	
PDK	: 200 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>123-86-4 n-butyl acetate</b>	
PDK	: 200 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
PDK	: 10 /m <sup>3</sup>

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<b>100-41-4 ethylbenzene</b>		
PDK	: 150 /m <sup>3</sup>	
	: 50 /m <sup>3</sup>	/
<b>67-63-0 propan-2-ol</b>		
PDK	: 50 /m <sup>3</sup>	
	: 10 /m <sup>3</sup>	/
<b>80-62-6 methyl methacrylate</b>		
PDK	: 20 /m <sup>3</sup>	
	: 10 /m <sup>3</sup>	/
<b>DNEL</b>		
<b>108-88-3 toluene</b>		
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ( )
	DNEL	192 /mc ( )
<b>110-19-0 isobutyl acetate</b>		
( )	DNEL	243 /mc ( )
	DNEL	4,95 / bw / d ( )
<b>1330-20-7 xylene</b>		
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	289 /mc ( )
	DNEL	77 /mc ( )
	DNEL	180 / bw / d ( )
<b>141-78-6 ethyl acetate</b>		
( )	DNEL	4,5 / bw / d (popolazione)
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	1468 /mc ( )
	DNEL	734 /mc (popolazione)
	DNEL	734 /mc ( )
	DNEL	367 /mc (popolazione)
	DNEL	63 / bw / d ( )
		37 / bw/d (popolazione)
<b>123-86-4 n-butyl acetate</b>		
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	960 /mc ( )
	DNEL	859,7 /mc (popolazione)
	DNEL	480 /mc ( )
		102,34 /mc (popolazione)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
( )	DNEL	275 /mc ( )

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	DNEL	153,5 / bw/d ( )	6)
<b>100-41-4 ethylbenzene</b>			
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ( )	
	DNEL	77 /mc ( )	
	DNEL	180 / bw/d ( )	
<b>67-63-0 propan-2-ol</b>			
( )	DNEL	26 / bw/d (popolazione)	
( )	DNEL	500 /mc ( )	
		89 /mc (popolazione)	
	DNEL	888 / bw/d ( )	
		319 / bw/d (popolazione)	
<b>868-77-9 2-hydroxyethyl methacrylate</b>			
( )	DNEL	1,3 / bw/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 / ( )

**1330-20-7 xylene**

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ( )

**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 / ( )

**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 / ( )

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**868-77-9 2-hydroxyethyl methacrylate**

PNEC Acqua dolce/water/woda słodka/eau/agua 0,482 /L ( )

PNEC Suolo/earth/suelo/sol/gleba/ 0,476 / ( )

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EN 374

89/686/







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· 9.2 : 28,0 %

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*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)

**1330-20-7 xylene**

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

**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)

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<b>123-86-4 n-butyl acetate</b>		
( )	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)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
( )	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)
<b>100-41-4 ethylbenzene</b>		
( )	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)
<b>67-63-0 propan-2-ol</b>		
( )	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)
<b>80-62-6 methyl methacrylate</b>		
( )	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)
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
( )	LD50	5050 / (rat/szczur/mouse/souris/Maus/rat n)

**12**

**12.1**

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

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**: FIN ACR TRASP 3 GLOSS**

<b>123-86-4 n-butyl acetate</b>		(	11)
EC50	648 / ( ) (72 .)		
	44 / (daphnia) (48 .)		
LC50 (96 .)	18 / ( )		
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>			
EC50	1001 / ( ) (72 .)		
	501 / (daphnia) (48 .)		
LC50 (96 .)	134 / ( )		
<b>100-41-4 ethylbenzene</b>			
EC50	75 / (daphnia) (48 .)		
<b>67-63-0 propan-2-ol</b>			
EC50	1001 / ( ) (72 .)		
	10000 / (daphnia) (24 .)		
LC50 (96 .)	9640 / ( )		
<b>80-62-6 methyl methacrylate</b>			
EC50	170 / ( ) (72 .)		
LC50 (96 .)	191 / ( )		
<b>868-77-9 2-hydroxyethyl methacrylate</b>			
LC50 (96 .)	240 / ( )		

· 12.2

Toluene CAS n. 108-88-3  
OECD)

· 12.3

· 12.4

2 ( - ):

· 12.5

PBT (

) vPvB (

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· PBT:

· vPvB:

· 12.6

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**: FIN ACR TRASP 3 GLOSS**

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**14**

· <b>14.1</b>	<b>UN</b>		
· ADR, IMDG, IATA		UN1263	
· <b>14.2</b>			
· ADR		UN1263	640D
· IMDG, IATA		PAINT	
· <b>14.3</b>			
· ADR, IMDG, IATA			
		3	
		3	
· <b>14.4</b>			
· ADR, IMDG, IATA		II	
· <b>14.5</b>			
· <b>14.6</b>			
· EMS:	( ):	33	
· Stowage Category		F-E, S-E	
		B	
· <b>14.7</b>			
<b>MARPOL73/78 (</b>	<b>II</b>		
<b>) IBC Code (</b>			
<b>)</b>			
· ADR			
· (LQ)		5L	
· (EQ)		: E2	
			: 30
			: 500
· 2			
· D/E			

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**: FIN ACR TRASP 3 GLOSS**

( 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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