

: 16.07.2015

: 14.07.2015

**1:**

· 1.1

TS1553

: **ILVACRYL**

· 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



Eye Irrit. 2 H319  
STOT SE 3 H336

67/548/EEC

1999/45/EC



R11:

R67:

· 2.2

(EC) 1272/2008

(CLP).

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GHS02 GHS07

*n*-butyl acetate  
ethyl acetate  
propan-2-ol  
butanone

H225  
H319  
H336

P101

P102  
P103  
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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<p>CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX</p>	<p>n-butyl acetate R10-66-67   Flam. Liq. 3, H226   STOT SE 3, H336</p>	<p>15- &lt;50%<sup>2)</sup></p>
<p>CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX</p>	<p>ethyl acetate   Xi R36   F R11            R66-67   Flam. Liq. 2, H225   Eye Irrit. 2, H319; STOT SE 3, H336</p>	<p>10-14,99%</p>
<p>CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX</p>	<p>xylene   Xn R20/21   Xi R38            R10   Flam. Liq. 3, H226   Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315</p>	<p>5-9,99%</p>
<p>CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX</p>	<p>propan-2-ol   Xi R36   F R11            R67   Flam. Liq. 2, H225   Eye Irrit. 2, H319; STOT SE 3, H336</p>	<p>2,5-4,99%</p>
<p>CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX</p>	<p>butanone   Xi R36   F R11            R66-67   Flam. Liq. 2, H225   Eye Irrit. 2, H319; STOT SE 3, H336</p>	<p>2,5-4,99%</p>
<p>CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX</p>	<p>ethylbenzene   Xn R20-48/20-65   F R11   Flam. Liq. 2, H225   STOT RE 2, H373; Asp. Tox. 1, H304   Acute Tox. 4, H332</p>	<p>1-2,499%</p>
<p>CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX</p>	<p>toluene   Xn R48/20-63-65   Xi R38   F R11            R67            Repr. Cat. 3   Flam. Liq. 2, H225   Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304   Skin Irrit. 2, H315; STOT SE 3, H336</p>	<p>1-2,499%</p>

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**7:**

· 7.1

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**8:**

8.1

**123-86-4 n-butyl acetate**

PDK : 200 /m<sup>3</sup>  
: 50 /m<sup>3</sup>

**141-78-6 ethyl acetate**

PDK : 200 /m<sup>3</sup>  
: 50 /m<sup>3</sup>

**1330-20-7 xylene**

PDK : 150 /m<sup>3</sup>  
: 50 /m<sup>3</sup>

**67-63-0 propan-2-ol**

PDK : 50 /m<sup>3</sup>  
: 10 /m<sup>3</sup>

**78-93-3 butanone**

PDK : 400 /m<sup>3</sup>  
: 200 /m<sup>3</sup>

**100-41-4 ethylbenzene**

PDK : 150 /m<sup>3</sup>  
: 50 /m<sup>3</sup>

**108-88-3 toluene**

PDK : 150 /m<sup>3</sup>  
: 50 /m<sup>3</sup>

**DNEL**

**123-86-4 n-butyl acetate**

( )

DNEL

480 /mc  
( )

102,34 /mc  
(popolazione)

DNEL acuto/agudo/ostre/aigu/acute/akut

960 /mc  
( )

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		( 6)
		859,7 /mc (popolazione)
<b>141-78-6 ethyl acetate</b>		
( )	DNEL	4,5 / bw/ d (popolazione)
( )	DNEL	734 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	367 /mc (popolazione)
		1468 /mc ( )
	DNEL	734 /mc (popolazione)
		63 / bw/d ( )
		37 / bw/d (popolazione)
<b>1330-20-7 xylene</b>		
( )	DNEL	77 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ( )
	DNEL	180 / bw/ d ( )
<b>67-63-0 propan-2-ol</b>		
( )	DNEL	26 / bw/d (popolazione)
( )	DNEL	500 /mc ( )
	DNEL	89 /mc (popolazione)
		888 / bw/ d ( )
		319 / bw/ d (popolazione)
<b>78-93-3 butanone</b>		
( )	DNEL	600 /mc ( )
	DNEL	1161 / b w / d ( )
<b>100-41-4 ethylbenzene</b>		
( )	DNEL	77 /mc ( )

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	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ( )
	DNEL	180 / bw/ d ( )
<b>108-88-3 toluene</b>		
( )	DNEL	192 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ( )

**PNEC**

**123-86-4 n-butyl acetate**

PNEC Acqua dolce/water/woda sdka/eau/agua	0,18 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ( )

**141-78-6 ethyl acetate**

PNEC Acqua dolce/water/woda sdka/eau/agua	0,26 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ( )

**1330-20-7 xylene**

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

**67-63-0 propan-2-ol**

PNEC Acqua dolce/water/woda sdka/eau/agua	140,9 /L ( )
---	--------------

**78-93-3 butanone**

PNEC Acqua dolce/water/woda sdka/eau/agua	284,74 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ( )

**100-41-4 ethylbenzene**

PNEC Acqua dolce/water/woda sdka/eau/agua	0,1 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ( )

**108-88-3 toluene**

PNEC Acqua dolce/water/woda sdka/eau/agua	0,68 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ( )

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

PNEC Acqua dolce/water/woda sdka/eau/agua	0,482 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	0,476 / ( )

8.2



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**9:**

9.1
<i>pH:</i>
77 °C
-4 °C
370 °C



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**11:**

**11.1**

<b>LD/LC50 ( / ),</b>		
<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>141-78-6 ethyl acetate</b>		
( )	LD50	4934 / (rabbit/kr lik/Kaninchen/conejo/lapin)
( )	LD50	20001 / (Con)
( )	LC0	22,6 ppm (mouse)
( )	LC50/4	1600 / (rat/szczur/mouse/souris/Maus/rat n)
<b>1330-20-7 xylene</b>		
( )	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)
<b>67-63-0 propan-2-ol</b>		
( )	LD50	5045 / (rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	12800 / (rabbit/kr lik/Kaninchen/conejo/lapin)
( )	LC50/4	30 / (rat/szczur/mouse/souris/Maus/rat n)
<b>78-93-3 butanone</b>		
( )	LD50	3300 / (rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
<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>108-88-3 toluene</b>		
( )	LD50	5000 / (rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	12124 / (rabbit/kr lik/Kaninchen/conejo/lapin)
( )	LC50/4	5320 / (mouse) (4 .)
<b>80-62-6 methyl methacrylate</b>		
( )	LD50	7872 / (rat/szczur/mouse/souris/Maus/rat n)
<b>868-77-9 2-hydroxyethyl methacrylate</b>		
( )	LD50	5050 / (rat/szczur/mouse/souris/Maus/rat n)

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**12:**

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<b>123-86-4 n-butyl acetate</b>	
EC50	648 / ( ) (72 .) 44 / (daphnia) (48 .)
LC50 (96 .)	18 / ( )
<b>141-78-6 ethyl acetate</b>	
EC50	164 / (daphnia)
<b>67-63-0 propan-2-ol</b>	
EC50	10000 / (daphnia) (24 .)
LC50 (96 .)	9640 / ( )
<b>78-93-3 butanone</b>	
EC50	2029 / ( ) (96 .) 308 / (daphnia) (48 .) 2993 / ( ) (96 .)
<b>100-41-4 ethylbenzene</b>	
EC50	75 / (daphnia) (48 .)
<b>108-88-3 toluene</b>	
EC50	134 / ( ) 3,78 / ( )

· 12.2

· 12.3

· 12.4

2 ( - ):

· 12.5

**PBT** (

) vPvB (

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· PBT:

· vPvB:

· 12.6

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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:** ( ): 33  
: F-E,S-D

· **14.7** II  
**MARPOL73/78** (  
) **IBC Code** (  
)

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

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**· 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":

UN1263,  
II

640D, 3,

**15:**

· 15.1

96/82/EC

1: 5000

2: 50000

1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

· 15.2

**16:**

H225

H226

H304

H312

H315

H317

H319

H332

H335

H336

H361d

H373

R10

R11

R20

R20/21

R36

( 15)

RU

**TS1553**  
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R36/38

R37/38

R38

R43

R48/20

R63

R65

R66

R67

: IVM Chemicals Srl

: Carlo Porta

( 14)

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, Hazard Category 2  
 Flam. Liq. 3: Flammable liquids, Hazard Category 3  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
 Repr. 2: Reproductive toxicity, Hazard Category 2  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1

1999/45/EC

67/548/

ECHA

INRS Fiche Toxicologique

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