

: 22.03.2017

: 21.03.2017

1

· 1.1

TS1555

: **ILVACRYL**

· 1.2.

· 1.3

IVM Chemicals Srl

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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

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

isobutyl acetate
n-butyl acetate
ethyl acetate
propan-2-ol

H225

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H319
H336

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: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	25-29,99%
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	15-19,99%
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	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	5-9,99%
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	2,5-4,99%

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(3)

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· 6.1

· 6.2

· 6.3

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· 7.1

· 7.2

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123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

141-78-6 ethyl acetate

PDK : 200 /m³
: 50 /m³

1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

67-63-0 propan-2-ol

PDK : 50 /m³
: 10 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

80-62-6 methyl methacrylate

PDK : 20 /m³
: 10 /m³

DNEL

110-19-0 isobutyl acetate

()	DNEL	243 /mc ()
	DNEL	4,95 / b w / d ()

123-86-4 n-butyl acetate

()	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ()
		859,7 /mc (popolazione)

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(5)		
	DNEL	480 /mc () 102,34 /mc (popolazione)
141-78-6 ethyl acetate		
()	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	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 ()
67-63-0 propan-2-ol		
()	DNEL	26 / bw/d (popolazione)
()	DNEL	500 /mc ()
	DNEL	89 /mc (popolazione)
	DNEL	888 / bw / d ()
		319 / bw / d (popolazione)
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / bw / d ()
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
868-77-9 2-hydroxyethyl methacrylate		
()	DNEL	1,3 / bw / d ()
()	DNEL	4,9 /mc ()
PNEC		
110-19-0 isobutyl acetate		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,17 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()	
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		(6)
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	/ ()
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,26	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24	/ ()
1330-20-7 xylene		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,327	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31	/ ()
67-63-0 propan-2-ol		
PNEC Acqua dolce/water/woda słodka/eau/agua	140,9	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	28	/ ()
100-41-4 ethylbenzene		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,1	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68	/ ()
108-88-3 toluene		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,68	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89	/ ()
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	/ ()

8.2

EN 374

89/686/

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9.1	
pH:	
77 °C	
-4 °C	
370 °C	
1,0 %	
12,0 %	
20 °C:	97
20 °C:	0,921 /cm ³
(n- /	
):	

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20 °C:	25 s (ISO 6 mm)
VOC (EC)	77,01 % 709,2 /
9.2	23,0 %

10

- 10.1
- 10.2
- 10.3
- 10.4
- 10.5
- 10.6

11

- 11.1

LD/LC50 (/),		
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)
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)

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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)

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)

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)

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)

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

12.1

110-19-0 isobutyl acetate

EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()

123-86-4 n-butyl acetate

EC50	648 / () (72 .)
	44 / (daphnia) (48 .)

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LC50 (96 .)	18 / ()	(10)
141-78-6 ethyl acetate		
EC50	165 / (daphnia) (48 .)	
LC50 (96 .)	230 / ()	
67-63-0 propan-2-ol		
EC50	1001 / () (72 .)	
	10000 / (daphnia) (24 .)	
LC50 (96 .)	9640 / ()	
100-41-4 ethylbenzene		
EC50	75 / (daphnia) (48 .)	
108-88-3 toluene		
EC50	134 / () (3 .)	
	3,78 / (daphnia) (48 .)	
	58 / ()	
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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(11)

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· 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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(12)

· 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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(13)

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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