

: 22.03.2017

: 21.03.2017

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IVM Chemicals Srl
Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441

Environmental Health and safety office
hseoffice@ivmchemicals.com

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8.30 17.30 0039 038 425 441

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2

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() 1272/2008



Flam. Liq. 2 H225



Eye Irrit. 2 H319
STOT SE 3 H336

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(EC) 1272/2008

(CLP).



GHS02 GHS07

ethyl acetate
isobutyl acetate
propan-2-ol
butanone

H225

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H319
H336

P210

P241

P303+P361+P353

P305+P351+P338

P405
P501

2.3

PBT (

) vPvB

PBT:

vPvB:

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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	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: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ 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: 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%
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%

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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⁾ 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%

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		:	,
141-78-6 ethyl acetate			
PDK		: 200 /m ³	
	/	: 50 /m ³	
1330-20-7 xylene			
PDK		: 150 /m ³	
	/	: 50 /m ³	
108-65-6 2-methoxy-1-methylethyl acetate			
PDK		: 10 /m ³	
	/		
67-63-0 propan-2-ol			
PDK		: 50 /m ³	
	/	: 10 /m ³	
78-93-3 butanone			
PDK		: 400 /m ³	
	/	: 200 /m ³	
100-41-4 ethylbenzene			
PDK		: 150 /m ³	
	/	: 50 /m ³	
123-86-4 n-butyl acetate			
PDK		: 200 /m ³	
	/	: 50 /m ³	

DNEL

141-78-6 ethyl acetate			
()	DNEL	4, 5 / b w / 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 / b w / d	()
		37 / bw/d (popolazione)	
1330-20-7 xylene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ()	
	DNEL	77 /mc ()	

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	DNEL	180 / bw/d ()
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / bw/d ()
108-65-6 2-methoxy-1-methylethyl acetate		
()	DNEL	275 /mc ()
	DNEL	153,5 / 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)
78-93-3 butanone		
()	DNEL	600 /mc ()
	DNEL	1161 / bw/d ()
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /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)
	DNEL	480 /mc ()
	DNEL	102,34 /mc (popolazione)

PNEC

141-78-6 ethyl acetate

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

1330-20-7 xylene

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

110-19-0 isobutyl acetate

PNEC Acqua dolce/water/woda sŕodka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()

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

PNEC Acqua dolce/water/woda sýdka/eau/agua 0,635 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 0,29 / ()

67-63-0 propan-2-ol

PNEC Acqua dolce/water/woda sýdka/eau/agua 140,9 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 28 / ()

78-93-3 butanone

PNEC Acqua dolce/water/woda sýdka/eau/agua 55,8 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 22,5 / ()

100-41-4 ethylbenzene

PNEC Acqua dolce/water/woda sýdka/eau/agua 0,1 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 2,68 / ()

123-86-4 n-butyl acetate

PNEC Acqua dolce/water/woda sýdka/eau/agua 0,18 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 0,0903 / ()

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EN 374

89/686/

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pH:

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77 °C

-4 °C

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(,

315 °C

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/

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:

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1,0 . %

12,0 . %

20 °C:

105

20 °C:

1,211 /cm³

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(n- /

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20 °C:

101 s (ISO 6 mm)

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VOC (EC)		45,92 %	
		556,1 /	
9.2		54,1 %	

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LD/LC50 (/),		
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)
110-19-0 isobutyl acetate		
()	LD50	13400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)

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()	LC50/4 .	31 / (rat/szczur/mouse/souris/Maus/rat n)	9)
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)	
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)	
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)	
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)	
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	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()
110-19-0 isobutyl acetate	
EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	1001 / () (72 .)
	501 / (daphnia) (48 .)
LC50 (96 .)	134 / ()

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67-63-0 propan-2-ol

EC50 1001 / () (72 .)

10000 / (daphnia) (24 .)

LC50 (96 .) 9640 / ()

78-93-3 butanone

EC50 2029 / () (96 .)

308 / (daphnia) (48 .)

LC50 (96 .) 2993 / ()

100-41-4 ethylbenzene

EC50 75 / (daphnia) (48 .)

123-86-4 n-butyl acetate

EC50 648 / () (72 .)

44 / (daphnia) (48 .)

LC50 (96 .) 18 / ()

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· 12.5

PBT (

) vPvB (

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· **PBT:**

· **vPvB:**

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14

· **14.1 UN**

· ADR, IMDG, IATA

UN1263

· **14.2**

· ADR

UN1263

· IMDG, IATA

PAINT

· **14.3**

· ADR, IMDG, IATA



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· **14.4**

· ADR, IMDG, IATA

III

· **14.5**

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EMS:

F-E,S-E

· Stowage Category

A

· **14.7**

II

MARPOL73/78 (

) IBC Code (

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· ADR

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(LQ)

5L

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(EQ)

: E1

: 30

: 1000

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E

· **IMDG**

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 1000

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· UN "Model Regulation":

UN 1263

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1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

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· 15.2

16

- H225
- H226
- H304
- H312
- H315
- H319
- H332
- H335
- H336
- H373

: 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

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Eye Irrit. 2: Serious eye damage/eye irritation . 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

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1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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