

: 02.04.2017

: 02.04.2017

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· 1.1

TSG5030

: **Lucido acrilico**

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· 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



Asp. Tox. 1 H304



Eye Irrit. 2 H319

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

n-butyl acetate

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isobutyl acetate
butanone
toluene

H225
H319
H336
H304

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

P501

EUH208

methyl methacrylate.

2.3

PBT (

) vPvB

PBT:

vPvB:

3

3.2

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	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	5-9,99%
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: 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	5-9,99%

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CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	(²⁾ 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	1-2,499%
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	1-2,499%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30-XXXX	4-methylpentan-2-one ⚠ Flam. Liq. 2, H225 ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1-2,499%
CAS: 108-94-1 EINECS: 203-631-1 Reg.nr.: 01-2119453616-35-XXXX	cyclohexanone ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H332	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	0,1-<0,5%

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123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

78-93-3 butanone

PDK : 400 /m³
: 200 /m³

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

PDK : 10 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

108-10-1 4-methylpentan-2-one

PDK : 5 /m³

108-94-1 cyclohexanone

PDK : 30 /m³
: 10 /m³

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		(5)	
80-62-6 methyl methacrylate			
PDK		: 20 /m ³	
	/	: 10 /m ³	
DNEL			
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)	
110-19-0 isobutyl acetate			
()	DNEL	243 /mc ()	
	DNEL	4,95 / b w / d	()
1330-20-7 xylene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ()	
	DNEL	77 /mc ()	
	DNEL	180 / b w / d	()
78-93-3 butanone			
()	DNEL	600 /mc ()	
	DNEL	1161 / b w / d	()
108-65-6 2-methoxy-1-methylethyl acetate			
()	DNEL	275 /mc ()	
	DNEL	153,5 / b w / d	()
100-41-4 ethylbenzene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ()	
	DNEL	77 /mc ()	
	DNEL	180 / b w / d	()
108-88-3 toluene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()	
	DNEL	192 /mc ()	
108-10-1 4-methylpentan-2-one			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	208 /mc ()	
	DNEL	83 /mc ()	
	DNEL	11,8 / b w / d	()

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108-94-1 cyclohexanone		()	6)
()	DNEL	40 /mc ()	
	DNEL	4 / bw/d ()	
PNEC			
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	/ ()	
110-19-0 isobutyl acetate			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,17	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0755	/ ()	
1330-20-7 xylene			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,327	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,31	/ ()	
78-93-3 butanone			
PNEC Acqua dolce/water/woda słodka/eau/agua	55,8	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	22,5	/ ()	
108-65-6 2-methoxy-1-methylethyl acetate			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,635	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,29	/ ()	
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	/ ()	
108-10-1 4-methylpentan-2-one			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,6	/L ()	
108-94-1 cyclohexanone			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,1	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0435	/ ()	

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pH:

79 °C

-4 °C

315 °C

1,0 %

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LD/LC50 (/),		
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)
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)
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)
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)
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)
108-10-1 4-methylpentan-2-one		
()	LD50	2080 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	16000 / (rab)
()	LC50/4	16,6 / (rat/szczur/mouse/souris/Maus/rat n)
108-94-1 cyclohexanone		
()	LD50	1535 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1100 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	11 / (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)

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()	LC50/4 . 78 / (rat/szczur/mouse/souris/Maus/rat n)	(10)
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123-86-4 n-butyl acetate		
EC50	648 / () (72 .)	
	44 / (daphnia) (48 .)	
LC50 (96 .)	18 / ()	
110-19-0 isobutyl acetate		
EC50	370 / () (72 .)	
	25 / (daphnia)	
LC50 (96 .)	17 / ()	
78-93-3 butanone		
EC50	2029 / () (96 .)	
	308 / (daphnia) (48 .)	
LC50 (96 .)	2993 / ()	
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 .)	
108-88-3 toluene		
EC50	134 / () (3 .)	
	3,78 / (daphnia) (48 .)	
	58 / ()	
108-10-1 4-methylpentan-2-one		
EC50	101 / (daphnia) (48 .)	
LC50 (96 .)	101 / ()	
108-94-1 cyclohexanone		
EC50	101 / () (72 .)	
LC50 (96 .)	527 / ()	
80-62-6 methyl methacrylate		
EC50	170 / () (72 .)	
LC50 (96 .)	191 / ()	

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· 12.2

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Toluene CAS n. 108-88-3
OECD)

· 12.3

· 12.4

2 (-):

· 12.5

) vPvB (

PBT (

)

· PBT:
· vPvB:

· 12.6

13

· 13.1

080111

14

· 14.1

UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

640D

· IMDG, IATA

PAINT

· 14.3

· ADR, IMDG, IATA



3
3

(13)

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(12)

· 14.4

· ADR, IMDG, IATA

II

· 14.5

:

:

· 14.6

:

· ():

33

· EMS:

F-E, S-E

· Stowage Category

B

· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· / :

· ADR

·

(LQ)

5L

·

(EQ)

: E2

: 30

: 500

·

2

·

D/E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

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

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1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· P

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()

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· 15.2

(13)

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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

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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