

: 28.12.2021

: 33

: 28.12.2021

1:

· 1.1

· PIS5AA6

· 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

Skin Sens. 1 H317

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

methacrylic acid, monoester with propane-1,2-diol
maleic anhydride

H225

H319

H317

P210

: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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P241

P303+P361+P353

P305+P351+P338

P403+P235

P501

EUH066

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3










PBT (

) vPvB

PBT:

vPvB:

3:**3.2**

CAS: 123-86-4 EINECS: 204-658-1	<i>n</i> -butyl acetate  Flam. Liq. 3, H226  Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	10-14,99%
CAS: 27813-02-1 EINECS: 248-666-3	methacrylic acid, monoester with propane-1,2-diol  Eye Irrit. 2, H319; Skin Sens. 1, H317	5-9,99%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	5-9,99%
CAS: 78-93-3 EINECS: 201-159-0	butanone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	0,5-<1%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol	<0,5%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	<0,5%

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: 28.12.2021

: 33

: 28.12.2021

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(NOx) (CO)

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: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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· 7.2

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123-86-4 n-butyl acetate	
PDK	. . : 50 /m ³ . . : 200 /m ³ ;
141-78-6 ethyl acetate	
PDK	. . : 50 /m ³ . . : 200 /m ³ ;
78-93-3 butanone	
PDK	. . : 200 /m ³ . . : 400 /m ³ ;
57-55-6 propane-1,2-diol	
PDK	. . : 7 /m ³ + ;
67-63-0 propan-2-ol	
PDK	. . : 10 /m ³ . . : 50 /m ³ ;

(6)

: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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108-88-3 toluene

PDK . . : 50 /m³
. . : 150 /m³
;

67-56-1 methanol

PDK . . : 5 /m³
. . : 15 /m³
; +;

108-31-6 maleic anhydride

PDK . . : 1 /m³
+ ; A, +;

DNEL

123-86-4 n-butyl acetate

()	DNEL	2 / bw/d ()
()	DNEL acuto/agudo/ostre/aigu/acute/akut	600 /mc () 300 /mc ()
	DNEL	300 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	35,7 /mc () 1 1 / b w / d ()
	DNEL	6 / bw/d () 1 1 / b w / d ()
		6 / bw/d ()

27813-02-1 methacrylic acid, monoester with propane-1,2-diol

()	DNEL	14,7 /mc ()
	DNEL	4, 2 / b w / d ()

141-78-6 ethyl acetate

()	DNEL	4,5 / bw/d ()
()	DNEL acuto/agudo/ostre/aigu/acute/akut	1.468 /mc () 734 /mc ()
	DNEL	734 /mc ()
	DNEL	367 /mc () 6 3 / b w / d ()
		37 / bw/d ()

78-93-3 butanone

()	DNEL	600 /mc ()
	DNEL	1 . 1 6 1 / b w / d ()

57-55-6 propane-1,2-diol

()	DNEL	168 /mc ()
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: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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67-63-0 propan-2-ol			
()	DNEL	26 / bw/d ()	
()	DNEL	500 /mc ()	
		89 /mc ()	
	DNEL	8 8 8 / b w / d	
		()	
		3 1 9 / b w / d	
		()	
108-88-3 toluene			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()	
	DNEL	192 /mc ()	
67-56-1 methanol			
()	DNEL	260 /mc ()	
	DNEL	4 0 / b w / d	
		()	
Solvent naphtha (petroleum), light arom.			
()	DNEL	150 /mc ()	
	DNEL	2 5 / b w / d	
		()	
108-31-6 maleic anhydride			
()	DNEL acuto/agudo/ostre/aigu/acute/akut	0,8 /mc ()	
	DNEL	0,4 /mc ()	
PNEC			
123-86-4 n-butyl acetate			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		0,18 /L ()	
PNEC Suolo/earth/suelo/ /		0,0903 / ()	
27813-02-1 methacrylic acid, monoester with propane-1,2-diol			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		904 /L ()	
PNEC Suolo/earth/suelo/ /		727 / ()	
141-78-6 ethyl acetate			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		0,24 /L ()	
PNEC Suolo/earth/suelo/ /		0,148 / ()	
78-93-3 butanone			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		55,8 /L ()	
PNEC Suolo/earth/suelo/ /		22,5 / ()	
57-55-6 propane-1,2-diol			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		260 /L ()	
PNEC Suolo/earth/suelo/ /		50 / ()	
67-63-0 propan-2-ol			
PNEC Acqua dolce/water/woda sjdka/eau/agua/		140,9 /L ()	
PNEC Suolo/earth/suelo/ /		28 / ()	
		(8)

: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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(7)

108-88-3 toluene

PNEC Acqua dolce/water/woda słodka/eau/agua/水 0,68 /L ()

PNEC Suolo/earth/suelo/ /地面 2,89 / ()

67-56-1 methanol

PNEC Acqua dolce/water/woda słodka/eau/agua/水 154 /L ()

108-31-6 maleic anhydride

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

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89/686/ ..

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: 28.12.2021

: 33

: 28.12.2021

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77 °C (141-78-6 ethyl acetate)

1,2 . % (123-86-4 n-butyl acetate)

30 . % (91051-01-3 Zinc stearate)

-4 °C (141-78-6 ethyl acetate)

pH:

20 °C:

101 s (ISO 6 mm)

(n- /

20 °C:

97 (141-78-6 ethyl acetate)

20 °C:

1,343 /cm³

370 °C

(10)

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PIS5AA6

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141-78-6 ethyl acetate

()	LD50	4.934 / ()
()	LD50	20.001 / ()
()	LC50/4	1.600 / ()
	LC0	22,6 ppm ()

78-93-3 butanone

()	LD50	2.001 / ()
()	LD50	5.001 / ()
()	LC50/4	21 / ()

57-55-6 propane-1,2-diol

()	LD50	20.000 / ()
()	LD50	2.001 / ()

67-63-0 propan-2-ol

()	LD50	4.710 / ()
()	LD50	12.800 / ()
()	LC50/4	72,6 / ()

108-88-3 toluene

()	LD50	5.000 / ()
()	LD50	12.124 / ()
()	LC50/4	25,7 / ()

67-56-1 methanol

()	LD50	1.187 / ()
()	LD50	17.000 / ()
()	LC50/4	128,2 / ()

Solvent naphtha (petroleum), light arom.

()	LD50	6.801 / ()
()	LD50	3.401 / (rab)
()	LC50/4	20,1 / ()

108-31-6 maleic anhydride

()	LD50	400 / ()
()	LD50	2.620 / ()

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12:

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123-86-4 n-butyl acetate

EC50	397 / () (72 .)
	44 / () (48 .)
LC50 (96 .)	18 / ()

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27813-02-1 methacrylic acid, monoester with propane-1,2-diol

EC50 97,3 / () (72 .)
131 / () (48 .)
LC50 48 . 493 / ()

141-78-6 ethyl acetate

EC50 165 / () (48 .)
LC50 (96 .) 230 / ()

78-93-3 butanone

EC50 2.029 / () (96 .)
308 / () (48 .)
LC50 (96 .) 2.993 / ()

57-55-6 propane-1,2-diol

EC50 19.000 / () (48 .)
18.340 / () (48 .)
LC50 (96 .) 40.613 / ()

67-63-0 propan-2-ol

EC50 1.001 / () (72 .)
10.000 / () (24 .)
LC50 (96 .) 9.640 / ()

108-88-3 toluene

EC50 134 / () (96 .)
3,78 / () (48 .)
LC50 (96 .) 5,5 / ()

67-56-1 methanol

EC50 8.000 / () (72 .)
24.500 / () (48 .)
LC50 (96 .) 15.400 / ()

108-31-6 maleic anhydride

EC50 29 / () (72 .)
42,8 / () (48 .)
LC50 (96 .) 75 / ()

· 12.2

123-86-4 n-butyl acetate .
141-78-6 ethyl acetate .

· 12.3

· 12.4

· 12.5

PBT (

) vPvB ()

· PBT:

· vPvB:

· 12.6

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: 28.12.2021

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: 28.12.2021

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· 12.7 (12)
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* **14:** ()

· 14.1 **UN**
· ADR, IMDG, IATA UN1263

· 14.2
· ADR
· IMDG, IATA PAINT

· 14.3
· ADR, IMDG, IATA

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· 14.4
· ADR, IMDG, IATA III

· 14.5 :
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· 14.6 :
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(-):
EMS: F-E,S-E

PIS5AA6
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	(13)
· <i>Stowage Category</i>	A
· 14.7 MARPOL73/78 () IBC Code ()	II
· <i>ADR</i> · (LQ) · (EQ)	5L : E1 : 30 : 1000 3 E > 450 : 3 F1, II
· <i>IMDG</i> · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 Maximum net quantity per outer packaging: 1000 > 450 : 3, II
· <i>IATA</i>	> 30 : 3, II
· UN "Model Regulation":	UN 1263 , 3, III

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· 15.1 ,
2012/18/EU
1: 5000
2: 50000

· P
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· 15.2 ()

PIS5AA6

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16:

H225

H226

H301

H302

H304

H311

H314

H315

H317

H319

H331

H334

H336

H361d

H370

H372

H373

H412

EUH066

EUH071

: IVM Chemicals Srl

: Claudia Zanella

ADR: Accord relatif au transport international 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. 3: Acute toxicity . Category 3

Acute Tox. 4: Acute toxicity . Category 4

Skin Corr. 1B: Skin corrosion/irritation . Category 1B

Skin Irrit. 2: Skin corrosion/irritation . Category 2

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

Resp. Sens. 1: Respiratory sensitisation . Category 1

Skin Sens. 1: Skin sensitisation . Category 1

Repr. 2: Reproductive toxicity . Category 2

STOT SE 1: Specific target organ toxicity (single exposure) . Category 1

(16)

: 28.12.2021

: 33

: 28.12.2021

PIS5AA6

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STOT SE 3: *Specific target organ toxicity (single exposure)* . Category 3
STOT RE 1: *Specific target organ toxicity (repeated exposure)* . Category 1
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

(15)

1272/2008/EC
ECHA -
INRS Fiche Toxicologique
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