

1

· 1.1

TRM5A014

: **FINITURA PE OP 20**

· 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

Skin Sens. 1 H317

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

methacrylic acid, monoester with propane-1,2-diol
n-butyl acetate
butanone
ethyl acetate

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(1)

H225
H319
H317
H336

P210 / / / ..

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

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	15- <50%
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	10-14,99%
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	5-9,99%
CAS: 27813-02-1 EINECS: 248-666-3 Reg.nr.: 01-2119490226-37-XXXX	methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2, H319; Skin Sens. 1, H317	5-9,99%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38-XXXX	butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2,499%

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4

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48'

· 4.2

· 4.3

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· 5.1

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· 5.3

6

· 6.1

· 6.2

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· 6.3

· 6.4

7

· 7.1

· 7.2

· 7.3

8

· 8.1

123-86-4 n-butyl acetate

PDK

: 200 /m³
: 50 /m³

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78-93-3 butanone		(4)
PDK	: 400 /m ³ : 200 /m ³	/	
141-78-6 ethyl acetate			
PDK	: 200 /m ³ : 50 /m ³	/	
71-36-3 butan-1-ol			
PDK	: 30 /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)	
78-93-3 butanone			
()	DNEL	600 /mc ()	
	DNEL	1 1 6 1 / b w / d ()	
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) 734 /mc () 367 /mc (popolazione)	
	DNEL	6 3 / b w / d () 37 / bw/d (popolazione)	
27813-02-1 methacrylic acid, monoester with propane-1,2-diol			
()	DNEL	14,7 /mc ()	
	DNEL	4, 2 / b w / d ()	
PNEC			
123-86-4 n-butyl acetate			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,18 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()		
78-93-3 butanone			
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	55,8 /L ()		
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()		

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141-78-6 ethyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()
27813-02-1 methacrylic acid, monoester with propane-1,2-diol	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,904 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,727 / ()

8.2



EN 374

89/686/



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9

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pH:	
77 °C	
-4 °C	
340 °C	
1,2 %	
11,5 %	
20 °C:	105
20 °C:	1,035 /cm ³
20 °C:	55 s (ISO 6 mm)
VOC (EC)	38,54 % 398,9 /

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· 9.2 : 61,5 %

10

· 10.1
· 10.2

· 10.3

· 10.4

· 10.5

· 10.6

11

· 11.1

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)
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)
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)
27813-02-1 methacrylic acid, monoester with propane-1,2-diol		
()	LD50	2001 / ()
()	LD50	5001 / ()

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71-36-3 butan-1-ol

()	LD50	790 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	3400 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	8000 / (rat/szczur/mouse/souris/Maus/rat n)

12

· 12.1

123-86-4 n-butyl acetate	
EC50	648 / () (72 .)
	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()
78-93-3 butanone	
EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)
LC50 (96 .)	2993 / ()
141-78-6 ethyl acetate	
EC50	165 / (daphnia) (48 .)
LC50 (96 .)	230 / ()
27813-02-1 methacrylic acid, monoester with propane-1,2-diol	
EC50	97,3 / () (72 .)
	131 / (daphnia) (48 .)
LC50 48 .	493 / ()

· 12.2

· 12.3

· 12.4

· 12.5

) vPvB (PBT ())

· PBT:

· vPvB:

· 12.6

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13

· 13.1

080111

14

· 14.1 **UN**
· ADR, IMDG, IATA

UN1263

· 14.2
· ADR
· IMDG, IATA

UN1263
PAINT

· 14.3
· ADR, IMDG, IATA



3
3

· 14.4
· ADR, IMDG, IATA

III

· 14.5

· 14.6

· EMS: ():
· Stowage Category

-
F-E, S-E
A

· 14.7

MARPOL73/78 ()
) IBC Code ()

II

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(10)

· ADR

(LQ)

5L

(EQ)

: E1

: 30

: 1000

3

E

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 1000

· UN "Model Regulation":

UN 1263

, 3, III

15

· 15.1

2012/18/EU

1: 5000

2: 50000

1907/2006 1272/2008

· P

· 15.2

16

H225

H226

H302

H315

H317

H318

H319

H335

H336

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: Carlo Porta

(11)

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 Dam. 1: Serious eye damage/eye irritation . Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
 Skin Sens. 1: Skin sensitisation . Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

1272/2008/EU

67/548/

ECHA -

INRS Fiche Toxicologique