

: 16.07.2015

: 16.07.2015

**1:**

1.1

PC31

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



Eye Irrit. 2 H319

67/548/EEC

1999/45/EC

2.2

(EC) 1272/2008

(CLP).



GHS07

H319

: 16.07.2015

: 16.07.2015

**PC31**

P280 / / / /  
P264 / / / / /  
P305+P351+P338 : : : : :  
P337+P313 : : : : :  
EUH208 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1).

**2.3**

**PBT** ( ) **vPvB**

- **PBT:**
- **vPvB:**

**3:** /

**3.2**

CAS: 73324-01-3 EINECS: 277-381-7	C.I.ACID YELLOW 204 Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	5-9,99%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Xi R36 Eye Irrit. 2, H319	5-9,99%
CAS: 112-07-2 EINECS: 203-933-3 Reg.nr.: 01-2119475112-47-XXXX	2-butoxyethyl acetate Xn R20/21 Acute Tox. 4, H312; Acute Tox. 4, H332	1-2,499%
CAS: 55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1) T R23/24/25 C R34 Xi R43 N R50/53 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Skin Corr. 1B, H314 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	<0,0015%

: 16.07.2015

: 16.07.2015

**PC31**

( 2)

16.

**4:**

· 4.1

48

· 4.2

. 11

· 4.3

**5:**

· 5.1

CO2,

· 5.2

· 5.3

**6:**

( )

· 6.1

· 6.2

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: 16.07.2015

: 16.07.2015

**PC31**

6.3  
6.4  
13.  
7.  
8.  
13.

**7:**  
7.1  
7.2  
8  
5 °C  
7.3

**8:**  
8.1

<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>		
PDK	: 10 /m <sup>3</sup>	
<b>DNEL</b>		
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>		
( )	DNEL	1,25 / b w / d (popolazione)
( )	DNEL	67,5 /mc ( )

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RU

: 16.07.2015

: 16.07.2015

**PC31**

		34 /mc (popolazione)
	DNEL acuto/agudo/ostre/aigu/acute/akut	101,2 /mc ( )
	DNEL	50,6 /mc (popolazione)
		20 / bw/d ( )
		10 / bw/d (popolazione)

**112-07-2 2-butoxyethyl acetate**

	DNEL	133 /mc ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	773 /mc ( )
	DNEL	102 / bw/ d ( )
	DNEL acuto/agudo/ostre/aigu/acute/akut	102 / bw/ d ( )

**PNEC**

**112-34-5 2-(2-butoxyethoxy)ethanol**

PNEC Acqua dolce/water/woda sypka/eau/agua	1 /L ( )
PNEC Suolo/earth/suelo/sol/gleba/	0,4 / ( )
<b>112-07-2 2-butoxyethyl acetate</b>	
PNEC Acqua dolce/water/woda sypka/eau/agua	0,304 /L ( )

8.2

EN 374

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**PC31**

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**9:**

**9.1**

**pH:**

100 °C

98 °C

225 °C

0,9 %  
8,4 %

20 °C:

1

20 °C:

0,996 /cm<sup>3</sup>

(n-

20 °C:

29 s (ISO 3 mm)

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: 16.07.2015

: 16.07.2015

**PC31**

: . . . .

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·	:	+	
(	)		
·	:	7,30 %	
·	:	83,5 %	
·	:	VOC (EC)	74,4 /
·	:	8,5 %	
·	:	9.2	

**10:**

· 10.1

· 10.2

· 10.3

· 10.4

· 10.5

· 10.6

**11:**

· 11.1

LD/LC50 ( / ),			
:			
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>			
( )	LD50	2410 /	(rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	2764 /	(rabbit/kr lik/Kaninchen/conejo/lapin)
<b>112-07-2 2-butoxyethyl acetate</b>			
( )	LD50	1880 /	(rat/szczur/mouse/souris/Maus/rat n)
( )	LD50	1580 /	(rabbit/kr lik/Kaninchen/conejo/lapin)

: 16.07.2015

: 16.07.2015

**PC31**

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**12:**

· 12.1

<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>	
EC50	101 / ( ) (48 .)
	101 / (daphnia) (48 .)
LC50 (96 .)	1300 / (Leuciscus idus melanotus)
<b>112-07-2 2-butoxyethyl acetate</b>	
EC50	101 / ( ) (72 .)
	101 / (daphnia) (24 .)
LC50 48 .	100 / ( )
<b>55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)</b>	
EC50	0,1 / (daphnia) (48 .)

· 12.2

· 12.3

· 12.4

· 12.5

) vPvB (

**PBT** (

)

· PBT:

· vPvB:

· 12.6

**13:**

· 13.1

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: 16.07.2015

: 16.07.2015

**PC31**

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**14:**

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

· 14.2  
· ADR, ADN, IMDG, IATA

· 14.3  
· ADR, ADN, IMDG, IATA

· 14.4  
· ADR, IMDG, IATA

· 14.5 :  
:

· 14.6

· 14.7  
**II**  
**MARPOL73/78 (**  
**) IBC Code (**  
**)**

· UN "Model Regulation":

**15:**

· 15.1 ,  
,  
1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

· 15.2

**16:**

H301  
H311  
H312  
H314  
H315

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RU

**PC31**

H317  
 H319  
 H331  
 H332  
 H335  
 H400  
 H410

R20/21  
 R23/24/25  
 R34  
 R36  
 R36/37/38  
 R43  
 R50/53

: 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*

*Acute Tox. 3: Acute toxicity, Hazard Category 3*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1*

1999/45/EC

67/548/

ECHA

INRS Fiche Toxicologique

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