

: 27.10.2016

: 26.10.2016

1

· 1.1

PD3/90

: **VEICOLO UNIFORM.PER GLAZE**

· 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. 3 H226



Asp. Tox. 1 H304



Acute Tox. 4 H312

Acute Tox. 4 H332

Skin Irrit. 2 H315

Eye Irrit. 2 H319

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

: 27.10.2016

: 26.10.2016

PD3/90
: VEICOLO UNIFORM.PER GLAZE

2-butoxyethanol
xylene
ethylbenzene
methanol

H226
H312+H332
H315
H319
H304

P210 / / /

P301+P310 : /

P303+P361+P353 (/):

P305+P351+P338 : /

P405
P501 /

2.3

PBT ()

vPvB

PBT:
vPvB:

3 /

3.2

CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	50-69,99%
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%

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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: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44-XXXX	methanol Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370	0,1-<0,5%

16.

4

4.1

:
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 :
 (20)
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48

4.2

4.3

11

5

5.1

5.2

4)

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: VEICOLO UNIFORM.PER GLAZE

· 5.3

(3)

6

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· 6.1

· 6.2

· 6.3

· 6.4

13.

7.

8.

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· 7.1

· 7.2

· 7.3

8

()

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PD3/90
: VEICOLO UNIFORM.PER GLAZE

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8.1

111-76-2 2-butoxyethanol	
PDK	: 5 /m ³
1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³
67-56-1 methanol	
PDK	: 15 /m ³ : 5 /m ³

DNEL

111-76-2 2-butoxyethanol	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 663 /mc ()
	DNEL 98 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut 8 9 / b w / d ()
	DNEL 7 5 / b w / d ()
1330-20-7 xylene	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 289 /mc ()
	DNEL 77 /mc ()
	DNEL 1 8 0 / b w / d ()
100-41-4 ethylbenzene	
()	DNEL acuto/agudo/ostre/aigu/acute/akut 293 /mc ()
	DNEL 77 /mc ()
	DNEL 1 8 0 / b w / d ()
67-56-1 methanol	
()	DNEL 260 /mc ()

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PD3/90
: VEICOLO UNIFORM.PER GLAZE

	DNEL	40 / b w / d ()	5)
PNEC			
111-76-2 2-butoxyethanol			
PNEC Acqua dolce/water/woda słodka/eau/agua	8,8	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,8	/ ()	
1330-20-7 xylene			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,327	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,31	/ ()	
100-41-4 ethylbenzene			
PNEC Acqua dolce/water/woda słodka/eau/agua	0,1	/L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,68	/ ()	
67-56-1 methanol			
PNEC Acqua dolce/water/woda słodka/eau/agua	154	/L ()	

8.2



/
EN 374

89/686/

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PD3/90
: VEICOLO UNIFORM.PER GLAZE



9

9.1	
pH:	
136 °C	
27 °C	
240 °C	
1,0 %	
10,6 %	
20 °C:	9,5
20 °C:	1,081 /cm ³
(n- /	
):	

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	20 °C:	30 s (ISO 3 mm)
VOC (EC)		67,34 % 727,9 /
9.2		32,7 %

10

- 10.1
- 10.2

· 10.3

· 10.4

· 10.5

· 10.6

11

- 11.1

LD/LC50 (/),		
111-76-2 2-butoxyethanol		
()	LD50	1480 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1100 / (rab)
1330-20-7 xylene		
()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)
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)

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67-56-1 methanol

()	LD50	1187 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17000 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	128,2 / (rat/szczur/mouse/souris/Maus/rat n)

12

· 12.1

111-76-2 2-butoxyethanol	
EC50	101 / (daphnia) (24 .)
LC50 (96 .)	101 / ()
100-41-4 ethylbenzene	
EC50	75 / (daphnia) (48 .)
67-56-1 methanol	
EC50	8000 / () (72 .)
	24500 / (daphnia) (48 .)
LC50 (96 .)	15400 / ()

· 12.2

· 12.3

· 12.4

· 12.5

) vPvB (PBT ()

· PBT:

· vPvB:

· 12.6

13

· 13.1

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PD3/90
: VEICOLO UNIFORM.PER GLAZE

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080111

14

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

· **14.2**
· ADR UN1263 , 640E
· IMDG, IATA PAINT

· **14.3**
· ADR, IMDG, IATA



3
3

· **14.4**
· ADR, IMDG, IATA III

· **14.5** :

· **14.6** :
· EMS: (): 30
· Stowage Category F-E, S-E
A

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

· ADR
· (LQ) 5L : E1
· (EQ)

: 30

: 1000

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PD3/90
: VEICOLO UNIFORM.PER GLAZE

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·	3
·	D/E
·	Classificato: ADR 3 . . III 1263 1866
·	Confezioni> 450 L.
·	IMDG 3 . . III 1263
·	1866 Confezioni> 30 L.
<hr/>	
· IMDG	
· <i>Limited quantities (LQ)</i>	5L
· <i>Excepted quantities (EQ)</i>	Code: E1
	Maximum net quantity per inner packaging: 30
	Maximum net quantity per outer packaging: 1000
· UN "Model Regulation":	UN 1263 , .
	640E, 3, III

15

· 15.1

2012/18/EU

1: 5000
2: 50000

1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

· **Annex XIV REACH ("Authorisation List")**

· 15.2

16

H225
H226
H301
H302
H304
H311
H312
H315
H319
H331

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PD3/90
: VEICOLO UNIFORM.PER GLAZE

H332

H335

H370

H373

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: 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. 3: Acute toxicity . 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

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

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

1272/2008/EU

67/548/

ECHA -

INRS Fiche Toxicologique

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