

: 16.07.2015

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IVM Chemicals Srl
Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441

Environmental Health and safety office
hseoffice@ivmchemicals.com

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8.30 17.30 0039 038 425 441

: 0039 0384 254491

2:

· 2.1

() 1272/2008



Flam. Liq. 2 H225



Repr. 2 H361d
STOT RE 2 H373

Asp. Tox. 1 H304



Aquatic Chronic 2 H411



Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
STOT SE 3 H336

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(1)

67/548/EEC

1999/45/EC



Xn;

R48/20-62:



Xi;

R36/38:



Xi;

R43:



F;

R11:



N;

R51/53:

2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08



GHS09

toluene
cobalt bis(2-ethylhexanoate)
ethyl acetate

H225
H315
H319
H317
H361d
H336
H373

H304

3)

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H411

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

P501

· 2.3

PBT (











) vPvB

· PBT:

· vPvB:

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· 3.2

<p>CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX</p>	<p>toluene  Xn R48/20-63-65  Xi R38  F R11 R67 Repr. Cat. 3  Flam. Liq. 2, H225  Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304  Skin Irrit. 2, H315; STOT SE 3, H336</p>	<p>40-49,99%</p>
<p>CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX</p>	<p>ethyl acetate  Xi R36  F R11 R66-67  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336</p>	<p>40-49,99%</p>

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<p>CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29-XXXX</p>	<p>cobalt bis(2-ethylhexanoate)  Xn R22-62  Xi R38  Xi R43  N R50/53  Repr. 2, H361  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317</p>	<p>(3) 10-14,99%</p>
<p>CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX</p>	<p>xylene  Xn R20/21  Xi R38 R10  Flam. Liq. 3, H226  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315</p>	<p>2,5-4,99%</p>

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108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³
136-52-7 cobalt bis(2-ethylhexanoate)	
PDK	: 0,05 /m ³ : 0,01 /m ³
, Co	
1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³

DNEL

108-88-3 toluene		
()	DNEL	192 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw/ d (popolazione)
()	DNEL	734 /mc () 367 /mc (popolazione)

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	DNEL acuto/agudo/ostre/aigu/acute/akut	1468 /mc ()
	DNEL	734 /mc (popolazione) 63 / bw/d () 37 / bw/d (popolazione)
136-52-7 cobalt bis(2-ethylhexanoate)		
()	DNEL	0,235 /mc ()
1330-20-7 xylene		
()	DNEL	77 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ()
	DNEL	180 / bw/ d ()

PNEC

108-88-3 toluene

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suolo/sol/gleba/	2,89 / ()

141-78-6 ethyl acetate

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suolo/sol/gleba/	0,24 / ()

136-52-7 cobalt bis(2-ethylhexanoate)

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	1,49 /L ()
PNEC Suolo/earth/suolo/sol/gleba/	23,1 / ()

1330-20-7 xylene

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suolo/sol/gleba/	2,31 / ()

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EN 374

89/686/

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pH:

77 °C

-4 °C

460 °C

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	:	
	:	
	:	,
	/	
	:	
	:	1,1 . %
	:	11,5 . %
	20 °C:	97
	20 °C:	0,913 /cm ³
	:	:
	:	:
	/	
	:	
	(n-	/
):	
	:	
	:	
	20 °C:	40 s (ISO 4 mm)
	:	
	(+
)	
	VOC (EC)	87,25 %
		796,9 /
	:	12,8 %
9.2	:	

10:

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LD/LC50 (/),

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108-88-3 toluene

()	LD50	5000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	12124 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	5320 / (mouse) (4 .)

141-78-6 ethyl acetate

()	LD50	4934 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LD50	20001 / (Con)
()	LC0	22,6 ppm (mouse)
()	LC50/4	1600 / (rat/szczur/mouse/souris/Maus/rat n)

136-52-7 cobalt bis(2-ethylhexanoate)

()	LD50	2119 / (mouse)
()		4300 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50	5000 ppm (rat/szczur/mouse/souris/Maus/rat n) (4 .)

1330-20-7 xylene

()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)

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108-88-3 toluene

EC50	134 / ()
	3,78 / ()

141-78-6 ethyl acetate

EC50	164 / (daphnia)
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12.3

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· 12.4

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· 12.5

PBT (

) vPvB (

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· PBT:

· vPvB:

· 12.6

13:

· 13.1

080111

14:

· 14.1

UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

· IMDG

640D

PAINT (AMINOPHENOLS), MARINE

POLLUTANT

· IATA

PAINT

· 14.3

· ADR, IMDG



3

(12)

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3

· IATA



· Class
· Label

3
3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

:

ethylhexanoate)

: cobalt bis(2-

(ADR):

()
()

· 14.6

:

EMS: (): 33
F-E, S-E

· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· ADR

(LQ)

5L

(EQ)

: E2

: 30

: 500

2

D/E

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

5L

Code: E2

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 500

(13)

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(12)

· UN "Model Regulation":

UN1263,

640D,

3, II

15:

· 15.1

96/82/EC

1: 5000

2: 50000

96/82/EC

51/53

1: 100

2: 200

1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

· 15.2

()

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16:

H225

H226

H304

H312

H315

H317

H319

H332

H336

H361

H361d

H373

H400

H410

R10

R11

R20/21

R22

R36

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(13)

R38

R43

R48/20

R50/53

R62

R63

R65

R66

R67

: 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, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

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

Repr. 2: Reproductive toxicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

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

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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

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

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

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