

: 16.07.2015

: 16.07.2015

1:

· 1.1

TV62

· 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



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

: 16.07.2015

: 16.07.2015

TV62

(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)

RU

: 16.07.2015

: 16.07.2015

TV62

H411

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

P501

2.3

PBT (











) vPvB

PBT:

vPvB:

3:

3.2

<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>
<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>

4)

RU

: 16.07.2015

: 16.07.2015

TV62

:

· 4.3

(4)

5:

· 5.1

· 5.2

· 5.3

6:

· 6.1

· 6.2

· 6.3

· 6.4

7:

· 7.1

: 16.07.2015

: 16.07.2015

TV62

:

(5)

· 7.2

8

· 7.3

()

8:

/

· 8.1

141-78-6 ethyl acetate		
PDK	: 200 /m ³	
	: 50 /m ³	/
108-88-3 toluene		
PDK	: 150 /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		
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw/ d (popolazione)
()	DNEL	734 /mc ()

(7)

: 16.07.2015

: 16.07.2015

TV62

:

		367 /mc (popolazione)
	DNEL acuto/agudo/ostre/aigu/acute/akut	1468 /mc ()
	DNEL	734 /mc (popolazione)
		63 / bw/d ()
		37 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL	192 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
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

141-78-6 ethyl acetate

PNEC Acqua dolce/water/woda słodka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()

108-88-3 toluene

PNEC Acqua dolce/water/woda słodka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()

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

PNEC Acqua dolce/water/woda słodka/eau/agua	1,49 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	23,1 / ()

1330-20-7 xylene

PNEC Acqua dolce/water/woda słodka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()

8.2

: 16.07.2015

: 16.07.2015

TV62

:

(7)



().

/
EN 374

89/686/ ..



9:

9.1

pH:

(9)

RU

: 16.07.2015

: 16.07.2015

TV62

:

(8)

·	:	/	77 °C
·	:	:	-4 °C
·):	(,	.
·	:	:	460 °C
·	:	:	.
·	:	:	.
·	:	:	.
·	:	:	1,1 . %
·	:	:	11,5 . %
·	20 °C:	:	97
·	20 °C:	:	0,916 /cm ³
·	:	:	.
·	:	:	.
·	:	:	.
·	:	/	.
·):	(n- /	.
·	:	:	.
·	20 °C:	:	40 s (ISO 4 mm)
·	:	:	.
·	:	:	.
·	VOC (EC)	:	86,36 % 791,0 /
· 9.2	:	:	13,6 %

10:

· 10.1

· 10.2

· 10.3

(10)

: 16.07.2015

: 16.07.2015

TV62

:

· 10.4

· 10.5

· 10.6

(9)

11:

· 11.1

:

LD/LC50 (/),

:

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)

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 .)

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)

12:

· 12.1

:

141-78-6 ethyl acetate

EC50	164 / (daphnia)
------	-----------------

(11)

TV62

:

(10)

108-88-3 toluene

EC50	134 / ()
	3,78 / ()

· 12.2

· 12.3

· 12.4

2 (-):

· 12.5

) vPvB (

PBT (

)

· 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

(12)

TV62

:

(11)

· 14.3

· ADR, IMDG



· : 3
· : 3

· IATA



· Class 3
· Label 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 : E2
(EQ)

: 30

: 500

2
D/E

· IMDG

· Limited quantities (LQ) 5L
· Excepted quantities (EQ) Code: E2
Maximum net quantity per inner

(13)

TV62

:

(12)

packaging: 30
Maximum net quantity per outer
packaging: 500

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

16:

H225
H226
H304
H312
H315
H317
H319
H332
H336
H361

H361d
H361f

H373

H400

(14)

RU

TV62

:

H410

(13)

H413

R10

R11

R20/21

R22

R36

R38

R43

R48/20

R50/53

R53

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

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

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

(15)

RU

: 16.07.2015

: 16.07.2015

TV62

:

1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

. *

(14)

RU