

: 02.04.2017

: 30.03.2017

1

· 1.1

TO05

. 15

· 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



STOT RE 2 H373

Asp. Tox. 1 H304



Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H335

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

: 02.04.2017

: 30.03.2017

TO05

. 15

1)

xylene

- H225
- H315
- H319
- H335
- H373

H304

P210

P301+P310

P303+P361+P353

P305+P351+P338

- P405
- P501

2.3

PBT (

) vPvB

- PBT:
- vPvB:

3

3.2

CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene <ul style="list-style-type: none"> 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 	30-39,99%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene <ul style="list-style-type: none"> Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 	5-9,99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate <ul style="list-style-type: none"> Flam. Liq. 2, H225 STOT SE 3, H336 	5-9,99%

3)

RU

: 02.04.2017

: 30.03.2017

TO05

: . 15

· 5.3

(3)

6

()

· 6.1

· 6.2

· 6.3

· 6.4

13.

7.

8.

13.

7

· 7.1

· 7.2

8

5)

RU

: 02.04.2017

: 30.03.2017

T005

: . 15

7.3

4)

8

8.1

1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³
108-65-6 2-methoxy-1-methylethyl acetate	
PDK	: 10 /m ³
78-93-3 butanone	
PDK	: 400 /m ³ : 200 /m ³
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³

DNEL

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 ()
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4 , 9 5 / b w / d ()

6)

RU

: 02.04.2017

: 30.03.2017

TO05

. 15

108-65-6 2-methoxy-1-methylethyl acetate		
()	DNEL	275 /mc ()
	DNEL	1 53,5 / b w / d ()
78-93-3 butanone		
()	DNEL	600 /mc ()
	DNEL	1 161 / b w / d ()
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()

PNEC

1330-20-7 xylene	
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,635 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()
78-93-3 butanone	
PNEC Acqua dolce/water/woda sypdka/eau/agua	55,8 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()
108-88-3 toluene	
PNEC Acqua dolce/water/woda sypdka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()

8.2

: 02.04.2017

: 30.03.2017

TO05

. 15



/
EN 374

89/686/



9

· 9.1

pH:

79-80,5 °C

-4 °C

315 °C

8)

RU

: 02.04.2017

: 30.03.2017

TO05
: . . 15

(7)
· : .
· :
· : ,
/ .
· : · : 1,0 . % · : 11,5 . %
· 20 °C: 105
· 20 °C: 0,992 /cm ³
· : · : · :
· : /
· : (n- /
·): .
· : · : · : 20 °C: 40 s (ISO 4 mm)
· : · : (+
· VOC (EC)) 53,87 % 534,4 /
· 9.2 : 46,1 %

10
· 10.1 ,
· 10.2 ,
· / , : ,
· 10.3 .
· 10.4 , -
· 10.5 : .
· 10.6 : .
(9)

: 02.04.2017

: 30.03.2017

TO05

: . . . 15

(8)

11

. 11.1

:

LD/LC50 (/),		
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)
110-19-0 isobutyl acetate		
()	LD50	13400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	31 / (rat/szczur/mouse/souris/Maus/rat n)
108-65-6 2-methoxy-1-methylethyl acetate		
()	LD50	8532 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	35,7 / (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)
108-88-3 toluene		
()	LD50	5000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	12124 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	25,7 / (rat/szczur/mouse/souris/Maus/rat n)

12

. 12.1

100-41-4 ethylbenzene	
EC50	75 / (daphnia) (48 .)

(10)

TO05

: . . 15

110-19-0 isobutyl acetate	
EC50	370 / () (72 .)
	25 / (daphnia)
LC50 (96 .)	17 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	1001 / () (72 .)
	501 / (daphnia) (48 .)
LC50 (96 .)	134 / ()
78-93-3 butanone	
EC50	2029 / () (96 .)
	308 / (daphnia) (48 .)
LC50 (96 .)	2993 / ()
108-88-3 toluene	
EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()

· 12.2

Toluene CAS n. 108-88-3
(OECD)

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB (

· PBT:

· vPvB:

· 12.6

13

· 13.1

080111

: 02.04.2017

: 30.03.2017

TO05

. 15

(10)

14

· **14.1 UN**

· ADR, IMDG, IATA

UN1263

· **14.2**

· ADR

· IMDG, IATA

UN1263
PAINT

, . 640D

· **14.3**

· ADR, IMDG, IATA



3
3

· **14.4**

· ADR, IMDG, IATA

II

· **14.5**

· **14.6**

· EMS: ():
· Stowage Category

33
F-E, S-E
B

· **14.7**

MARPOL73/78 (

II

) **IBC Code** (

)

· ADR

(LQ)

5L

(EQ)

: E2

: 30

: 500

2

D/E

(12)

TO05

: . . 15

(11)

· IMDG

· *Limited quantities (LQ)*

· *Excepted quantities (EQ)*

5L

Code: E2

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 500

· *UN "Model Regulation":*

UN 1263

640D, 3, II

15

· 15.1

1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· P

· 15.2

16

H225

H226

H304

H312

H315

H319

H332

H335

H336

H361d

H373

H412

: 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

(13)

TO05

. 15

(12)

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 Irrit. 2: Serious eye damage/eye irritation . Category 2
 Repr. 2: Reproductive toxicity . Category 2
 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
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

.*