

: 06.10.2017

: 04.09.2017

1

· 1.1

PI30

· 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 1 H372

Asp. Tox. 1 H304



Skin Irrit. 2 H315
Eye Irrit. 2 H319

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

PI30

styrene

H225

H315

H319

H361d

H372

H304

P210

P301+P310

P303+P361+P353

P305+P351+P338

P405

P501

2.3

PBT (

) vPvB

PBT:

vPvB:

3

3.2

CAS: 100-42-5 EINECS: 202-851-5	styrene Flam. Liq. 3, H225 Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	15-19,99%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2,5-4,99%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX	toluene Flam. Liq. 2, H225 Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336 Aquatic Chronic 3, H412	1-2,499%

3)

RU

: 06.10.2017

: 04.09.2017

PI30

(2)

16.

4

4.1

:
(). 48'
(8)
()
(20).
:
:
,

4.2

4.3

5

5.1

5.2

5.3

: 06.10.2017

: 04.09.2017

PI30

(3)

6

()

· 6.1

,

· 6.2

:

/

· 6.3

:

()

13.

· 6.4

7.

8.

13.

7

· 7.1

/

/

:

· 7.2

,

:

,

,

,

,

,

,

8

.

,

· 7.3

(

)

8

/

;

7.

:

(

5)

RU

: 06.10.2017

: 04.09.2017

PI30

(4)

8.1

100-42-5 styrene	
PDK	: 30 /m ³ : 10 /m ³
67-64-1 acetone	
PDK	: 800 /m ³ : 200 /m ³
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³

DNEL

100-42-5 styrene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc () 174,25 /mc (popolazione)
	DNEL	85 /mc () 10,6 /mc (popolazione)
	DNEL	4 0 6 / b w / d () 3 4 3 / b w / d (popolazione)
67-64-1 acetone		
()	DNEL	62 / bw/d (popolazione)
()	DNEL acuto/agudo/ostre/aigu/acute/akut	2.420 /mc ()
	DNEL	1.210 /mc () 200 /mc (popolazione)
	DNEL	1 8 6 / b w / d () 62 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()

PNEC

100-42-5 styrene	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	28 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,2 / ()
67-64-1 acetone	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	10,6 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	29,5 / ()

(6)

: 06.10.2017

: 04.09.2017

PI30

108-88-3 toluene

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

8.2



/
EN 374

89/686/ ..



: 06.10.2017

: 04.09.2017

PI30

(6)

9

9.1

pH:

56°C

-17°C

>370°C

1,2 %
13 %

20°C: 233

20°C: 1,431 /cm³

20°C: 40 s (ISO 4 mm)

VOC (EC) 23,75 %
339,8 /

(8)

: 06.10.2017

: 04.09.2017

PI30

(7)

· 9.2 : 92,0 %

10

- 10.1
- 10.2

temperatura. In

- 10.3

25 °C

- 10.4

25 °C

- 10.5
- 10.6

11

- 11.1

LD/LC50 (/),

100-42-5 styrene

()	LD50	5.000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	2.001 / (rat/szczur/mouse/souris/Maus/rat n)
()	LC50/4	11,8 / (rat/szczur/mouse/souris/Maus/rat n)

67-64-1 acetone

()	LD50	5.800 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	20.000 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	76 / (rat/szczur/mouse/souris/Maus/rat n)

108-88-3 toluene

()	LD50	5.000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	12.124 / (rabbit/kr lik/Kaninchen/conejo/lapin)

(9)

: 06.10.2017

: 04.09.2017

PI30

() LC50/4 . 25,7 / (rat/szczur/mouse/souris/Maus/rat n) 8)

12

· 12.1

100-42-5 styrene	
EC50	4,9 / () (72 .)
	4,7 / (daphnia) (48 .)
LC50 (96 .)	4,02 / ()
67-64-1 acetone	
EC50	8.800 / (daphnia)
LC50 (96 .)	5.540 / ()
108-88-3 toluene	
EC50	134 / () (96 .)
	3,78 / (daphnia) (48 .)
LC50 (96 .)	5,5 / ()

· 12.2

100-42-5	styrene	.
67-64-1	acetone	.
108-88-3	toluene	.

· 12.3

· 12.4

2 (-):

· 12.5

PBT (

) vPvB ()

· PBT:

· vPvB:

· 12.6

: 06.10.2017

: 04.09.2017

PI30

(9)

13

· 13.1

080111

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 ()
) IBC Code ()

II

(11)

: 06.10.2017

: 04.09.2017

PI30

: .

(10)

· ADR		(LQ)	5L
·		(EQ)	: E2
·			: 30
·			: 500
· IMDG			2
· Limited quantities (LQ)			D/E
· 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
H315
H319
H332
H335
H336
H361d

(12)

RU

PI30

H372

(11)

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

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 1: Specific target organ toxicity (repeated exposure) . Category 1

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

.*