

: 02.04.2017

: 29.03.2017

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Environmental Health and safety office
hseoffice@ivmchemicals.com

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8.30 17.30 0039 038 425 441

: 0039 0384 254491

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· 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
STOT SE 3 H335

Aquatic Chronic 3 H412

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(EC) 1272/2008

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styrene

H225
H315
H319
H361d
H335
H372

H304
H412

P210 / / /

P301+P310 :

P303+P361+P353 (/):

P305+P351+P338 :

P405
P501 /

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PBT (

) vPvB

PBT:
vPvB:

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3.2 :

<p>CAS: 100-42-5 EINECS: 202-851-5</p>	<p>styrene Flam. Liq. 3, H226 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</p>	<p>30-39,99%</p>
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CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	(2) 5-9,99%
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	0,5-<1%
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%

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100-42-5 styrene	
PDK	: 30 /m ³ : 10 /m ³
/	
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³
/	
108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
/	
67-56-1 methanol	
PDK	: 15 /m ³ : 5 /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)
141-78-6 ethyl acetate		
()	DNEL	4 , 5 / b w / d (popolazione)
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	1468 /mc () 734 /mc (popolazione)
	DNEL	734 /mc ()

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	DNEL	367 /mc (popolazione) 63 / bw/d () 37 / bw/d (popolazione)
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
67-56-1 methanol		
()	DNEL	260 /mc ()
	DNEL	40 / bw/d ()

PNEC

100-42-5 styrene	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,028 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,2 / ()
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 / ()
67-56-1 methanol	
PNEC Acqua dolce/water/woda słodka/eau/agua	154 /L ()

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LD/LC50 (/),		
100-42-5 styrene		
()	LD50	5000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n)
()	LC50/4	11,8 / (rat/szczur/mouse/souris/Maus/rat n)
141-78-6 ethyl acetate		
()	LD50	4934 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LD50	20001 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	1600 / (rat/szczur/mouse/souris/Maus/rat n)
	LC0	22,6 ppm (mouse)
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)
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)

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100-42-5 styrene		
EC50	4,9 / () (72 .)	
	4,7 / (daphnia) (48 .)	
LC50 (96 .)	4,02 / ()	
141-78-6 ethyl acetate		
EC50	165 / (daphnia) (48 .)	
LC50 (96 .)	230 / ()	

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108-88-3 toluene

EC50	134 / () (3 .)
	3,78 / (daphnia) (48 .)
	58 / ()

67-56-1 methanol

EC50	8000 / () (72 .)
	24500 / (daphnia) (48 .)
LC50 (96 .)	15400 / ()

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Toluene CAS n. 108-88-3
OECD)

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PBT (

) vPvB (

· PBT:

· vPvB:

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UN

· ADR, IMDG, IATA

UN1263

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· **14.2**

· **ADR**
· **IMDG, IATA**

UN1263
PAINT

, . 640D

· **14.3**

· **ADR, IMDG, IATA**



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: 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

· **IMDG**

· **Limited quantities (LQ)**
· **Excepted quantities (EQ)**

5L
Code: E2
Maximum net quantity per inner
packaging: 30
Maximum net quantity per outer
packaging: 500

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· UN "Model Regulation":

UN 1263
640D, 3, II

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1907/2006 1272/2008
2012/18/EU

1: 5000
2: 50000

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· 15.2

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- H225
- H226
- H301
- H304
- H311
- H315
- H319
- H331
- H332
- H335
- H336
- H361d
- H370
- H372

- 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)

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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

Repr. 2: Reproductive toxicity . 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 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

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