

1

- 1.1 $\neq$ $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$
- 1.2 $\leq$ $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$
- 1.3 $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$
- 1.4 $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$

2

- 2.1 $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$
- 2.2 $\Delta \sum r \sqrt{v} \cdot |r - F| \geq n \leq r \mid \sum r \cdot \infty \geq 20$

TO2094
Σ r √.] γ - F ≥ n ≤ r - | | r Σ r. ∞ ≥ 20

1) ()

-
- *xylene*
-
- H225 ≥
- H315 √
- H319 √
- H335 ∆
- H373 ∆
- H304 ∆
-
- P210
- P301+P310
- P303+P361+P353
- P305+P351+P338
- P405
- P501
-
- EUH208 | Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine. ∆
- 2.3
-
- PBT ()
-
- vPvB: r
- vPvB: r

3

- 3.2
-
-

CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	<i>xylene</i> 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	<i>ethylbenzene</i> Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332	5-9,99%

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Σ r[v.] γ - F ≥ n ≤ r[| r Σ r. ∞ ≥ 20

CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	2,5-4,99%
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	2,5-4,99%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX	butanone 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%
Reg.nr.: 01-2120101675-63-XXXX	Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine STOT RE 2, H373 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,1-<0,5%

16.

4

- 4.1
- 4.2
- 11

()

TO2094
Σ r √. | - F ≥ 0 ≤ r | | Σ r. ∞ ≥ 20

3) ()
4.3
Σ r √. | - F ≥ 0 ≤ r | | Σ r. ∞ ≥ 20

5

5.1
5.2
5.3
Σ r √. | - F ≥ 0 ≤ r | | Σ r. ∞ ≥ 20

6

6.1
6.2
6.3
6.4
Σ r √. | - F ≥ 0 ≤ r | | Σ r. ∞ ≥ 20

7

7.1
Σ r √. | - F ≥ 0 ≤ r | | Σ r. ∞ ≥ 20

TO2094
Σ r[√.]-F≥0≤r-|Σ r.∞≥20

4) ()

- 7.2
- 7.3

8

7.

8.1

1330-20-7 xylene		
PDK	≤ 150 g/m ³	≤ 50 g/m ³
100-41-4 ethylbenzene		
PDK	≤ 150 g/m ³	≤ 50 g/m ³
141-78-6 ethyl acetate		
PDK	≤ 200 g/m ³	≤ 50 g/m ³
78-93-3 butanone		
PDK	≤ 400 g/m ³	≤ 200 g/m ³
108-88-3 toluene		
PDK	≤ 150 g/m ³	≤ 50 g/m ³
DNEL		
1330-20-7 xylene		
≠ g/m ³ ()	DNEL acuto/agudo/ostre/ aigu/acute/akut	289 g/mc ()

6) ()

TO2094
Σ r[v.] γ - F ≥ n ≤ r[| r Σ r. ∞ ≥ 20

(5)		
DNEL	77 μmc (mc)	
DNEL	180 μmc (mc)	b w / d
100-41-4 ethylbenzene		
DNEL acuto/agudo/ostre/aigu/acute/akut	293 μmc (mc)	
DNEL	77 μmc (mc)	
DNEL	180 μmc (mc)	b w / d
110-19-0 isobutyl acetate		
DNEL	243 μmc (mc)	
DNEL	4,95 μmc (mc)	b w / d
141-78-6 ethyl acetate		
DNEL	4,5 μmc (mc)	b w / d (popolazione)
DNEL acuto/agudo/ostre/aigu/acute/akut	1468 μmc (mc)	
DNEL	734 μmc (mc)	
DNEL	734 μmc (mc)	
DNEL	367 μmc (mc)	
DNEL	63 μmc (mc)	b w / d
DNEL	37 μmc (mc)	b w / d (popolazione)
78-93-3 butanone		
DNEL	600 μmc (mc)	
DNEL	1161 μmc (mc)	b w / d
108-88-3 toluene		
DNEL acuto/agudo/ostre/aigu/acute/akut	384 μmc (mc)	
DNEL	192 μmc (mc)	

PNEC	
1330-20-7 xylene	
PNEC Acqua dolce/water/woda sŏdka/eau/agua	0,327 μL (L)
PNEC Suolo/earth/suelo/sol/gleba/	2,31 μL (L)
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda sŏdka/eau/agua	0,1 μL (L)
PNEC Suolo/earth/suelo/sol/gleba/	2,68 μL (L)
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda sŏdka/eau/agua	0,17 μL (L)
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 μL (L)
141-78-6 ethyl acetate	
PNEC Acqua dolce/water/woda sŏdka/eau/agua	0,26 μL (L)
PNEC Suolo/earth/suelo/sol/gleba/	0,24 μL (L)

TO2094
Σ r √. j - F ≥ 0 ≤ r - | Σ r. ∞ ≥ 20

(7) תאריך: 05.04.2017

תאריך: 07.04.2017



תאריך: 07.04.2017

9 דרגת היתוך של מוצקים

9.1 תאריך: 07.04.2017

- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017

תאריך: 07.04.2017

pH:

תאריך: 07.04.2017

- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

-4 °C

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

>370 °C

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017

1,0 %
11,5 %

תאריך: 07.04.2017

105 °C

תאריך: 07.04.2017

0,99 g/cm³

- תאריך: 07.04.2017
- תאריך: 07.04.2017
- תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

תאריך: 07.04.2017

40 s (ISO 4 mm)

(9) תאריך: 05.04.2017

TO2094
Σ r[v.] - F ≥ 0 ≤ r[| Σ r. ∞ ≥ 20

8) ()

·	55,54 %
·	0,1 %
· VOC (EC)	549,9
· 9.2	44,4 %

10

- 10.1
- 10.2
- 10.3
- 10.4
- 10.5
- 10.6

11

11.1	LD/LC50	3523	(rat/szczur/mouse/souris/Maus/rat)
1330-20-7 xylene	LD50	1701	(rabbit/krlik/Kaninchen/conejo/lapin)
100-41-4 ethylbenzene	LD50	3500	(rat/szczur/mouse/souris/Maus/rat)
	LD50	15486	(rabbit/krlik/Kaninchen/conejo/lapin)
	LC50/4	17,2	(rat/szczur/mouse/souris/Maus/rat)
110-19-0 isobutyl acetate	LD50	13400	(rat/szczur/mouse/souris/Maus/rat)
	LD50	17401	(rabbit/krlik/Kaninchen/conejo/lapin)

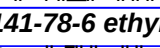
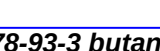
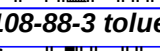
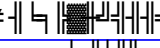
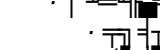
10) ()

ᐱᐱᐱ ᐱᐱᐱᐱᐱᐱ: 07.04.2017

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TO2094

(1 2 3 4 5 6 7 8 9)

	LC50/4	31 =  (rat/szczur/mouse/souris/Maus/rat)
141-78-6 ethyl acetate		
	LD50	4934 =  (rabbit/krlik/Kaninchen/conejo/lapin)
	LD50	20001 =  (rabbit/krlik/Kaninchen/conejo/lapin)
	LC50/4	1600 =  (rat/szczur/mouse/souris/Maus/rat)
	LC0	22,6 ppm (mouse)
78-93-3 butanone		
	LD50	2001 =  (rat/szczur/mouse/souris/Maus/rat)
	LD50	5001 =  (rabbit/krlik/Kaninchen/conejo/lapin)
	LC50	21 =  (rat/szczur/mouse/souris/Maus/rat)
108-88-3 toluene		
	LD50	5000 =  (rat/szczur/mouse/souris/Maus/rat)
	LD50	12124 =  (rabbit/krlik/Kaninchen/conejo/lapin)
	LC50/4	25,7 =  (rat/szczur/mouse/souris/Maus/rat)

[illegible]

12

12.1

$\cdot \sqrt{\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right)} = \frac{1}{2}$	
100-41-4 ethylbenzene	
EC50	75 $\frac{1}{2}$ (daphnia) (48 $\frac{1}{2}$)
110-19-0 isobutyl acetate	
EC50	370 $\frac{1}{2}$ (daphnia) (72 $\frac{1}{2}$) 25 $\frac{1}{2}$ (daphnia)
LC50 (96 $\frac{1}{2}$)	17 $\frac{1}{2}$ (daphnia)
141-78-6 ethyl acetate	
EC50	165 $\frac{1}{2}$ (daphnia) (48 $\frac{1}{2}$)
LC50 (96 $\frac{1}{2}$)	230 $\frac{1}{2}$ (daphnia)
78-93-3 butanone	
EC50	2029 $\frac{1}{2}$ (daphnia) (96 $\frac{1}{2}$) 308 $\frac{1}{2}$ (daphnia) (48 $\frac{1}{2}$)
LC50 (96 $\frac{1}{2}$)	2993 $\frac{1}{2}$ (daphnia)
108-88-3 toluene	
EC50	134 $\frac{1}{2}$ (daphnia) (3 $\frac{1}{2}$) 3,78 $\frac{1}{2}$ (daphnia) (48 $\frac{1}{2}$) 58 $\frac{1}{2}$ (daphnia)

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

[illegible]

TO2094
Σ r[√.] - F ≥ 0 ≤ r[| Σ r.∞ ≥ 20

(10) 100% (100%)

- 12.3
- 12.4
- 12.5
- 12.6

13

- 13.1

14

- 14.1
- 14.2
- 14.3
- 14.4



(12) 100% (100%)

TO2094
 $\Sigma r \sqrt{v} \cdot r - F \geq n \leq r \mid \mid \Sigma r \cdot \infty \geq 20$

(11)

14.5

·  

r

14.6

·  

·    

·    

33

·    

F-E, S-E

· Stowage Category

B

14.7

·    

·    

·    

·    

·    

·    

r

·  

ADR

·   (LQ)

·   (EQ)

5L

≤ E2

·    

·    

·    

·    

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

· UN "Model Regulation":

UN 1263 ≤ − Σ | ≤ Σ, | | n |. | | ≥ | | n ≠ 640D, 3, II

15

15.1

·  

·  

·  

·  

·  

·  

15.2

RU

(13)

TO2094
Σ r[v.] - F ≥ n ≤ r[| r Σ r. ∞ ≥ 20

(12)

16

H225 ≥
H226 ✓
H302 ✓
H304 △
H312 ✓
H315 ✓
H317 △
H319 ✓
H332 ✓
H335 △
H336 △
H361d J
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 ñ Category 2

Flam. Liq. 3: Flammable liquids ñ Category 3

Acute Tox. 4: Acute toxicity ñ Category 4

Skin Irrit. 2: Skin corrosion/irritation ñ Category 2

Eye Irrit. 2: Serious eye damage/eye irritation ñ Category 2

Skin Sens. 1: Skin sensitisation ñ Category 1

Repr. 2: Reproductive toxicity ñ Category 2

STOT SE 3: Specific target organ toxicity (single exposure) ñ Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) ñ Category 2

Asp. Tox. 1: Aspiration hazard ñ Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard ñ Category 3

≤

1272/2008/EC

Σ ECHA

INRS Fiche Toxicologique

* ≤