

: 16.07.2015

: 14.07.2015

1:

1.1

TSM5A057

: **FINIT.ESSENZA SHINE LIGHT**

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



Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H336

67/548/EEC

1999/45/EC



Xn;
R48/20-63:



Xi;
R36/38:

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(1)



F+;

R11:

R67:

2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

toluene
butanone
ethyl acetate
n-butyl acetate

H225
H315
H319
H361d
H336
H373

P210

/

/

/

P241

/

P303+P361+P353

(

);

P305+P351+P338

:

P405

P501

/

EUH208

methyl methacrylate.

(

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PBT (

) vPvB

PBT:

vPvB:

3:

3.2

CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX	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	30-39,99%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX	butanone Xi R36 F R11 R66-67 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-14,99%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate Xi R36 F R11 R66-67 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	10-14,99%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene Xn R20/21 Xi R38 R10 Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-9,99%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate R10-66-67 Flam. Liq. 3, H226 STOT SE 3, H336	0,1-<10%











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CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene  Xn R20-48/20-65  F R11	1-2,499% ³⁾
	 Flam. Liq. 2, H225  STOT RE 2, H373; Asp. Tox. 1, H304  Acute Tox. 4, H332	
CAS: 80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28-XXXX	methyl methacrylate  Xi R37/38  Xi R43  F R11	0,1-<0,5%
	 Flam. Liq. 2, H225  Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	

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4:

4.1

()
48
()
20
()

4.2

4.3

5:

5.1

5.2

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: FINIT.ESSENZA SHINE LIGHT**

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6:

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· 6.1

· 6.2

· 6.3

· 6.4

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7.

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13.

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· 7.1

· 7.2

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8:

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108-88-3 toluene

PDK : 150 /m³
: 50 /m³

78-93-3 butanone

PDK : 400 /m³
: 200 /m³

141-78-6 ethyl acetate

PDK : 200 /m³
: 50 /m³

1330-20-7 xylene

PDK : 150 /m³
: 50 /m³

123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

100-41-4 ethylbenzene

PDK : 150 /m³
: 50 /m³

DNEL

108-88-3 toluene

()	DNEL	192 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()

78-93-3 butanone

()	DNEL	600 /mc ()
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		(6)
	DNEL	1161 / b w / d ()
141-78-6 ethyl acetate		
()	DNEL	4,5 / bw/ d (popolazione)
()	DNEL	734 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	367 /mc (popolazione)
		1468 /mc ()
		734 /mc (popolazione)
	DNEL	63 / bw/d ()
		37 / bw/d (popolazione)
1330-20-7 xylene		
()	DNEL	77 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	289 /mc ()
	DNEL	180 / bw/ d ()
123-86-4 n-butyl acetate		
()	DNEL	480 /mc ()
		102,34 /mc (popolazione)
	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ()
		859,7 /mc (popolazione)
100-41-4 ethylbenzene		
()	DNEL	77 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	293 /mc ()
	DNEL	180 / bw/ d ()
PNEC		
108-88-3 toluene		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,68	/L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89	/ ()
		(8)

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78-93-3 butanone	
PNEC Acqua dolce/water/woda słodka/eau/agua	284,74 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	22,5 / ()
141-78-6 ethyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()
1330-20-7 xylene	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()
123-86-4 n-butyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,18 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()

8.2



EN 374

89/686/

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9:

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pH:

77 °C

-4 °C

370 °C

1,0 . %
11,5 . %

20 °C: 105

20 °C: 0,98 /cm³

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(9)	
·	·
· /	·
· :	·
· (n- /	·
·):	·
· :	·
· :	·
· :	·
· (+	·
·)	81,39 %
· VOC (EC)	797,6 /
· :	18,6 %
· 9.2	·

10:

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

11:

- 11.1

LD/LC50 (/),	
:	
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 .)

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78-93-3 butanone			(10)
()	LD50	3300 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	5001 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
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)	
1330-20-7 xylene			
()	LD50	3523 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	1701 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
123-86-4 n-butyl acetate			
()	LD50	10760 / (rat/szczur/mouse/souris/Maus/rat n)	
()	LD50	14000 / (rabbit/kr lik/Kaninchen/conejo/lapin)	
()	LC50/4	21,1 / (rat/szczur/mouse/souris/Maus/rat n)	
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)	
80-62-6 methyl methacrylate			
()	LD50	7872 / (rat/szczur/mouse/souris/Maus/rat n)	

12:

12.1

108-88-3 toluene	
EC50	134 / () 3,78 / ()
78-93-3 butanone	
EC50	2029 / () (96 .) 308 / (daphnia) (48 .) 2993 / () (96 .)
141-78-6 ethyl acetate	
EC50	164 / (daphnia)
123-86-4 n-butyl acetate	
EC50	648 / () (72 .) 44 / (daphnia) (48 .)

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LC50 (96 .)	18 / ()	(11)
100-41-4 ethylbenzene		
EC50	75 / (daphnia) (48 .)	

· 12.2

· 12.3

· 12.4

· 12.5

· PBT:

· vPvB:

· 12.6

PBT (

) vPvB (

)

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

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: FINIT.ESSENZA SHINE LIGHT

(12)

3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

:
:

· 14.6

:

· EMS: (): :

33
F-E,S-E

· 14.7

II

MARPOL73/78 (

) 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

· UN "Model Regulation":

UN1263,
II

, 640D, 3,

15:

· 15.1

,
96/82/EC

1: 5000

2: 50000

1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

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(13)

15.2

16:

H225
H226
H304
H312
H315
H317
H319
H332
H335
H336
H361d
H373

R10
R11
R20
R20/21
R36
R37/38
R38
R43
R48/20

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

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(14)

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
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

1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

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