

: 16.07.2015

: 14.07.2015

1:

1.1

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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

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8.30 17.30 0039 038 425 441

: 0039 0384 254491

2:

2.1

() 1272/2008



Flam. Liq. 2 H225



Eye Irrit. 2 H319
STOT SE 3 H335

67/548/EEC

1999/45/EC



Xn;

R20:



Xi;

R36/37:



F;

R11:

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(EC) 1272/2008

(CLP).



GHS02 GHS07

4-methylpentan-2-one

H225

H319

H335

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405

P501 /

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PBT () **vPvB**

()

PBT:

vPvB:

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<p>CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30-XXXX</p>	<p>4-methylpentan-2-one  Xn R20  Xi R36/37  F R11 R66  Flam. Liq. 2, H225  Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335</p>	<p>(2) 30-39,99%</p>
<p>CAS: 108-94-1 EINECS: 203-631-1 Reg.nr.: 01-2119453616-35-XXXX</p>	<p>cyclohexanone  Xn R20 R10  Flam. Liq. 3, H226  Acute Tox. 4, H332</p>	<p>20-<25%</p>
<p>CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX</p>	<p>2-methoxy-1-methylethyl acetate R10  Flam. Liq. 3, H226</p>	<p>20-<25%</p>
<p>CAS: 2530-83-8 EINECS: 219-784-2 Reg.nr.: 01-2119513212-58-XXXX</p>	<p>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane  Xi R41  Eye Dam. 1, H318</p>	<p>1-2,499%</p>

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48

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6:

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108-10-1 4-methylpentan-2-one	
PDK	: 5 /m ³
108-94-1 cyclohexanone	
PDK	: 30 /m ³ : 10 /m ³
108-65-6 2-methoxy-1-methylethyl acetate	
PDK	: 10 /m ³
DNEL	
108-10-1 4-methylpentan-2-one	
()	DNEL 208 /mc () DNEL 11,8 / bw/d ()
108-94-1 cyclohexanone	
()	DNEL 40 /mc () DNEL 4 / bw/d ()
PNEC	
108-10-1 4-methylpentan-2-one	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,6 /L ()
PNEC Suolo/earth/suolo/sol/gleba/	1,3 / ()
108-94-1 cyclohexanone	
PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,1 /L ()

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PNEC Suolo/earth/suelo/sol/gleba/	0,0435 / ()	(5)
108-65-6 2-methoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda słodka/eau/agua	0,635 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()	

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EN 374

89/686/ ..



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pH:	
	117 °C
	14 °C
	315 °C
	/
	1,2 . % 10,8 . %
20 °C:	20,2
20 °C:	0,941 /cm ³
	/
	(n- /
)
20 °C:	101 s (ISO 6 mm)
	+
VOC (EC)	75,00 % 705,7 /
9.2	25,0 %

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10:

- 10.1
- 10.2

- 10.3

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- 10.5

- 10.6

11:

- 11.1

LD/LC50 (/),		
108-10-1 4-methylpentan-2-one		
()	LD50	2080 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	16000 / (rab)
()	LC50/4	16,6 / (rat/szczur/mouse/souris/Maus/rat n)
108-94-1 cyclohexanone		
()	LD50	1535 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	1100 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	11 / (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)
2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane		
()	LD50	>2000 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	>2000 / (rabbit/kr lik/Kaninchen/conejo/lapin)

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· :	
108-10-1 4-methylpentan-2-one	
EC50	101 / (daphnia) (48 .)
LC50 (96 .)	101 / ()
108-94-1 cyclohexanone	
EC50	101 / () (72 .)
LC50 (96 .)	527 / ()
108-65-6 2-methoxy-1-methylethyl acetate	
EC50	408 / (daphnia) (48 .)
2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane	
EC50	473 / (daphnia)
LC50 (96 .)	>100 / ()

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· 12.3

· 12.4

· 12.5

) vPvB (

PBT (

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· PBT:

· vPvB:

· 12.6

13:

· 13.1

080111

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(9)

14:

· 14.1 UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

640H

· IMDG, IATA

PAINT

· 14.3

· ADR, IMDG, IATA



3

3

· 14.4

· ADR

III

· IMDG, IATA

II

· 14.5

:

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· 14.6

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· EMS: (): -

F-E,S-E

· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· ADR

(LQ)

5L

(EQ)

: E1

: 30

: 1000

3

E

· IMDG

· Limited quantities (LQ)

5L

(11)

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(10)

· *Excepted quantities (EQ)*

Code: E2

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 500

· UN "Model Regulation":

UN1263,
III

, 640H, 3,

15:

· 15.1

96/82/EC

1: 5000

2: 50000

1907/2006 1272/2008

· P

161/2006 (2004/42/EC)-

· 15.2

16:

H225

H226

H318

H319

H332

H335

R10

R11

R20

R36/37

R41

R66

: 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

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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, Hazard Category 2
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

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