

: 16.07.2015

: 16.07.2015

1:

· 1.1

TV84

· 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



Org. Perox. CD H242



Muta. 2 H341



Skin Corr. 1B H314

Eye Dam. 1 H318



Acute Tox. 4 H302

Acute Tox. 4 H332

Skin Sens. 1 H317

Aquatic Chronic 3 H412

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2.2

(EC) 1272/2008

(CLP).



GHS02 GHS05 GHS07 GHS08

2-Butanone, peroxide
tert-butyl hydroperoxide

H242
H302+H332
H314
H317
H341
H412

P210 / / / ..

P303+P361+P353 ():

P305+P351+P338 :

P310 :

P410 /
P501 /

2.3

PBT (

) vPvB

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PBT:

vPvB:

3:

3.2

3)

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(2)

CAS: 131-11-3 EINECS: 205-011-6 Reg.nr.: 01-2119437229-36-XXXX	dimethyl phthalate	50-69,99%
CAS: 1338-23-4 EINECS: 215-661-2 Reg.nr.: 01-2119514691-43-XXXX	2-Butanone, peroxide  Org. Perox. CD, H242  Acute Tox. 3, H331  Skin Corr. 1B, H314  Acute Tox. 4, H302; Acute Tox. 4, H312	25-29,99%
CAS: 123-42-2 EINECS: 204-626-7 Reg.nr.: 01-2119473975-21-XXXX	4-hydroxy-4-methylpentan-2-one  Flam. Liq. 3, H226  Eye Irrit. 2, H319	10-14,99%
CAS: 75-91-2 EINECS: 200-915-7 Reg.nr.: 01-2119446670-40-XXXX	tert-butyl hydroperoxide  Org. Perox. A, H240  Acute Tox. 3, H311; Acute Tox. 2, H330  Muta. 2, H341  Skin Corr. 1B, H314  Aquatic Chronic 2, H411  Acute Tox. 4, H302; Skin Sens. 1, H317 Flam. Liq. 2, H225	10-14,99%

16.

4:

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48

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4.2

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· 4.3

(3)

5:

· 5.1

· 5.2

· 5.3

6:

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· 6.1

· 6.2

· 6.3

· 6.4

13.

7.

8.

13.

7:

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(4)

7.2

7.3

8

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131-11-3 dimethyl phthalate	
PDK	: 1 /m ³ : 0,3 /m ³
+	
123-42-2 4-hydroxy-4-methylpentan-2-one	
PDK	: 100 /m ³
DNEL	
123-42-2 4-hydroxy-4-methylpentan-2-one	
()	DNEL 66,4 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut 240 /mc ()
	DNEL 9,4 / bw/ d ()
PNEC	
123-42-2 4-hydroxy-4-methylpentan-2-one	
PNEC Acqua dolce/water/woda sypdka/eau/agua	2 /L ()

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(5)



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EN 374

89/686/ ..



9:

· 9.1

pH:

(7)

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(6)

·	:	/	
·	:		35 °C
·	:		100 °C
·):	(,	
·	:		555 °C
·	:		
·	:		
·	:		
·	:		1,4 . %
·	:		8,1 . %
·		20 °C:	1,1
·		20 °C:	1,097 /cm ³
·			
·			
·	:	/	
·):	(n- /	
·	:		
·		20 °C:	29 s (ISO 3 mm)
·			
·		(+	
·		VOC (EC)	10,00 % 109,7 /
·			80,0 % (EU Regulations)
·	9.2		

10:

- 10.1
- 10.2
- 10.3
- 10.4

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· 10.5

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() (7)

· 10.6

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11:

· 11.1

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LD/LC50 (/),

:

131-11-3 dimethyl phthalate

() *LD50* 2500 / (rat/szczur/mouse/souris/Maus/rat n)

() *LD50* 24 / (rabbit/kr lik/Kaninchen/conejo/lapin)

123-42-2 4-hydroxy-4-methylpentan-2-one

() *LD50* 3002 / (rat/szczur/mouse/souris/Maus/rat n)

() *LD50* 13630 / (rab)

75-91-2 tert-butyl hydroperoxide

() *LD50* 406 / (rat/szczur/mouse/souris/Maus/rat n)

() *LD50* 460 / (rabbit/kr lik/Kaninchen/conejo/lapin)

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12:

· 12.1

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123-42-2 4-hydroxy-4-methylpentan-2-one

EC50 1001 / () (72 .)

1000 / (daphnia) (48 .)

LC50 (96 .) 101 / ()

· 12.2

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· 12.3

-

· 12.4

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(8)

· 12.5

) vPvB (

PBT (

)

· PBT:

· vPvB:

· 12.6

13:

· 13.1

080111

14:

· 14.1

UN

· ADR, IMDG, IATA

UN3105

· 14.2

· ADR

UN3105

D (tert-butyl hydroperoxide,

2-Butanone, peroxide)

· IMDG, IATA

ORGANIC PEROXIDE TYPE D, LIQUID (tert-butyl hydroperoxide, 2-Butanone, peroxide)

· 14.3

· ADR



5.2

5.2+8

(10)

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(9)

· **IMDG**



· **Class** 5.2
· **Label** 5.2/8

· **IATA**



· **Class** 5.2
· **Label** 5.2 (8)

· **14.4**
· **ADR, IMDG, IATA**

· **14.5** :
· :

· **14.6**
· **EMS:** F-J,S-R

· **14.7** II
MARPOL73/78 (
) **IBC Code** (
)

· **ADR**
· (LQ) 125
· (EQ) : E0
· 2
· D

· **IMDG**
· **Limited quantities (LQ)** 125
· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN3105,
D (tert-butyl hydroperoxide,
2-Butanone, peroxide), 5.2 (8)

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(10)

15:

15.1

1907/2006 1272/2008

P

161/2006 (2004/42/EC)-

15.2

16:

H225
 H226
 H240
 H242
 H302
 H311
 H312
 H314
 H317
 H319
 H330
 H331
 H341
 H411

: 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, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Org. Perox. A: Organic Peroxides, Type A

Org. Perox. CD: Organic Peroxides, Types C, D

Acute Tox. 4: Acute toxicity, Hazard Category 4

Acute Tox. 2: Acute toxicity, Hazard Category 2

Acute Tox. 3: Acute toxicity, Hazard Category 3

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Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Muta. 2: Germ cell mutagenicity, Hazard Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

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