

: 22.03.2017

: 15.03.2017

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· 1.1

TS168

· 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



Repr. 2 H361d



Eye Irrit. 2 H319

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

toluene

2)

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n-butyl acetate
ethyl acetate

H225
H319
H361d
H336

P210 / / /

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

EUH208 Mixture of *alpha*-3-(3-(2*H*-benzotriazol-2-yl)-5-*tert*-butyl-4-hydroxyphenyl)propionyl-*omega*-hydroxypoly(oxyethylene) and *alpha*-3-(3-(2*H*-benzotriazol-2-yl)-5-*tert*-butyl-4-hydroxyphenyl)propionyl-*omega*-3-(3-(2*H*-benzotriazol-2-yl)-5-*tert*-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene).

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PBT () **vPvB**

PBT:

vPvB:

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CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	<i>n</i> -butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	15-19,99%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	10-14,99%
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	10-14,99%

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<p>CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX</p>	<p>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</p>	<p>(2) 3-4,99%</p>
<p>ELINCS: 400-830-7 Reg.nr.: 01-2119472279-28-XXXX</p>	<p>Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) Aquatic Chronic 2, H411 Skin Sens. 1, H317</p>	<p>0,25-<0,5%</p>
<p>CAS: 3648-18-8 EINECS: 222-883-3</p>	<p>dioctyltin dilaurate Repr. 2, H361d; STOT RE 1, H372 Aquatic Chronic 4, H413</p>	<p>0,1-<0,5%</p>

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· 5.1

· 5.2

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123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

108-65-6 2-methoxy-1-methylethyl acetate

PDK : 10 /m³

141-78-6 ethyl acetate

PDK : 200 /m³
: 50 /m³

108-88-3 toluene

PDK : 150 /m³
: 50 /m³

DNEL

123-86-4 n-butyl acetate

()	DNEL acuto/agudo/ostre/aigu/acute/akut	960 /mc ()
	DNEL	859,7 /mc (popolazione)
		480 /mc ()
		102,34 /mc (popolazione)

108-65-6 2-methoxy-1-methylethyl acetate

()	DNEL	275 /mc ()
	DNEL	1 53,5 / b w / d ()

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 ()
		367 /mc (popolazione)
	DNEL	63 / b w / d ()

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		37 / bw/d (popolazione) ⁵⁾
108-88-3 toluene		
()	DNEL acuto/agudo/ostre/aigu/acute/akut	384 /mc ()
	DNEL	192 /mc ()
Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)		
()	DNEL	0,35 /mc ()
	DNEL	0,5 / b w / d ()

PNEC

123-86-4 n-butyl acetate		
PNEC Acqua dolce/water/woda sjodka/eau/agua	0,18 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,0903 / ()	
108-65-6 2-methoxy-1-methylethyl acetate		
PNEC Acqua dolce/water/woda sjodka/eau/agua	0,635 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,29 / ()	
141-78-6 ethyl acetate		
PNEC Acqua dolce/water/woda sjodka/eau/agua	0,26 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()	
108-88-3 toluene		
PNEC Acqua dolce/water/woda sjodka/eau/agua	0,68 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()	
Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)		
PNEC Acqua dolce/water/woda sjodka/eau/agua	0,0023 /L ()	
PNEC Suolo/earth/suelo/sol/gleba/	2 / ()	

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89/686/

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pH:

77 °C

-4 °C

315 °C

1,2 . %

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	11,5 %
20 °C:	97
20 °C:	1,06 /cm ³
/	
(n-	/
):	
20 °C:	25 s (ISO 6 mm)
VOC (EC)	48,25 % 511,5 /
9.2	51,7 %

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LD/LC50 (/),		
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)
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)
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)
Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)		
()	LD50	5001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD - 401)
()	LD50	2001 / (rat/szczur/mouse/souris/Maus/rat n) (OECD - 402)
()	LC50/4	5,9 / (mouse) (OCSE - 403)

12

12.1

123-86-4 n-butyl acetate	
EC50	648 / () (72 .)

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	44 / (daphnia) (48 .)	(9)
LC50 (96 .)	18 / ()	
108-65-6 2-methoxy-1-methylethyl acetate		
EC50	1001 / () (72 .)	
	501 / (daphnia) (48 .)	
LC50 (96 .)	134 / ()	
141-78-6 ethyl acetate		
EC50	165 / (daphnia) (48 .)	
LC50 (96 .)	230 / ()	
108-88-3 toluene		
EC50	134 / () (3 .)	
	3,78 / (daphnia) (48 .)	
	58 / ()	
Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)		
EC50	101 / () (72 .)	
	4 / (daphnia) (OECD linee guida 202 parte 1)	
LC50 (96 .)	2,8 / (Leuciscus idus melanotus) (OECD linee guida 203)	

• 12.2

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

• 12.3

• 12.4

2 (-):

• 12.5

PBT (

) vPvB (

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• PBT:

• vPvB:

• 12.6

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· 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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· 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

(12)

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· 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

640D, 3, II

15

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1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· P

· 15.2

16

H225

H226

H304

H315

H317

H319

H336

H361d

H372

H373

H411

H412

H413

: 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)

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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 . Category 2
 Flam. Liq. 3: Flammable liquids . Category 3
 Skin Irrit. 2: Skin corrosion/irritation . Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
 Skin Sens. 1: Skin sensitisation . Category 1
 Repr. 2: Reproductive toxicity . Category 2
 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 2: Hazardous to the aquatic environment - long-term aquatic hazard . Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard . Category 4

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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