

: 22.03.2017

: 15.03.2017

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TB1510

: **FIN POLIVALENTE NITRO 90 GL**

· 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
STOT RE 2 H373



Eye Dam. 1 H318



Skin Irrit. 2 H315
STOT SE 3 H335-H336

· 2.2

(EC) 1272/2008

(CLP).

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2-methylpropan-1-ol
toluene
xylene
ethyl acetate

H225
H315
H318
H361d
H335-H336

H373

P210 / / /

P303+P361+P353 ():

P305+P351+P338 /

P310 /
P405
P501 /

2.3

PBT ()

) vPvB

PBT:
vPvB:

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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	15-19,99%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	xylene 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	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%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23-XXXX	2-methylpropan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335-H336	5-9,99%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	5-9,99%
CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate Flam. Liq. 2, H225 STOT SE 3, H336	5-9,99%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2,5-4,99%
CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one Flam. Liq. 3, H226 Eye Irrit. 2, H319; STOT SE 3, H335	2,5-4,99%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332	2,5-4,99%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	2,5-4,99%

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(20).

· 4.2

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· 6.1

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108-88-3 toluene	
PDK	: 150 /m ³ : 50 /m ³
1330-20-7 xylene	
PDK	: 150 /m ³ : 50 /m ³
141-78-6 ethyl acetate	
PDK	: 200 /m ³ : 50 /m ³

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(5)	
78-83-1 2-methylpropan-1-ol	
PDK	: 10 /m ³ /
123-86-4 n-butyl acetate	
PDK	: 200 /m ³ : 50 /m ³ /
67-64-1 acetone	
PDK	: 800 /m ³ : 200 /m ³ /
123-42-2 4-hydroxy-4-methylpentan-2-one	
PDK	: 100 /m ³ /
100-41-4 ethylbenzene	
PDK	: 150 /m ³ : 50 /m ³ /
67-63-0 propan-2-ol	
PDK	: 50 /m ³ : 10 /m ³ /
DNEL	
108-88-3 toluene	
()	DNEL acuto/agudo/ostre/ aigu/acute/akut 384 /mc () DNEL 192 /mc ()
1330-20-7 xylene	
()	DNEL acuto/agudo/ostre/ aigu/acute/akut 289 /mc () DNEL 77 /mc () DNEL 1 8 0 / 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 6 3 / b w / d () 37 / bw/d (popolazione)
78-83-1 2-methylpropan-1-ol	
()	DNEL 310 /mc ()
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(6)		
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)
110-19-0 isobutyl acetate		
()	DNEL	243 /mc ()
	DNEL	4,95 / b w / d
		()
67-64-1 acetone		
()	DNEL	62 / bw/d (popolazione)
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	2420 /mc ()
	DNEL	1210 /mc ()
		200 /mc (popolazione)
	DNEL	186 / b w / d
		()
		62 / bw/d (popolazione)
123-42-2 4-hydroxy-4-methylpentan-2-one		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	240 /mc ()
	DNEL	66,4 /mc ()
	DNEL	9,4 / b w / d
		()
100-41-4 ethylbenzene		
()	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ()
	DNEL	77 /mc ()
	DNEL	180 / b w / d
		()
67-63-0 propan-2-ol		
()	DNEL	26 / bw/d (popolazione)
()	DNEL	500 /mc ()
		89 /mc (popolazione)
	DNEL	888 / b w / d
		()
		319 / b w / d
		(popolazione)

PNEC

108-88-3 toluene

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,68 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,89 / ()

1330-20-7 xylene

PNEC Acqua dolce/water/woda sjo'dka/eau/agua	0,327 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,31 / ()

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141-78-6 ethyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,26 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,24 / ()
78-83-1 2-methylpropan-1-ol	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,4 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0699 / ()
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 / ()
110-19-0 isobutyl acetate	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,17 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0755 / ()
67-64-1 acetone	
PNEC Acqua dolce/water/woda słodka/eau/agua	10,6 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	29,5 / ()
100-41-4 ethylbenzene	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,1 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	2,68 / ()
67-63-0 propan-2-ol	
PNEC Acqua dolce/water/woda słodka/eau/agua	140,9 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	28 / ()

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pH:

56 °C

-17 °C

370 °C

1,0 %

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·	:	13,0	%
·	20 °C:	233	
·	20 °C:	0,935	/cm ³
·	:	:	:
·	:	:	:
·	:	/	
·	:	(n-	/
·	:	:	
·	20 °C:	55 s	(ISO 6 mm)
·	:	:	
·	:	+	
·	VOC (EC)	74,28 %	
·	:	694,5	/
·	9.2	25,7 %	

10

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

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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	25,7 / (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)
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)
78-83-1 2-methylpropan-1-ol		
()	LD50	2460 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	3400 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50	18,2 / (rat/szczur/mouse/souris/Maus/rat n) (6 .)
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)
110-19-0 isobutyl acetate		
()	LD50	13400 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	17401 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	31 / (rat/szczur/mouse/souris/Maus/rat n)
67-64-1 acetone		
()	LD50	5800 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	20000 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	76 / (rat/szczur/mouse/souris/Maus/rat n)
123-42-2 4-hydroxy-4-methylpentan-2-one		
()	LD50	3002 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50	13630 / (rab)
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)
67-63-0 propan-2-ol		
()	LD50	4710 / (rat/szczur/mouse/souris/Maus/rat n)

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()	LD50	12800 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4	72,6 / (rat/szczur/mouse/souris/Maus/rat n)

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12.1

108-88-3 toluene		
EC50	134 / () (3 .)	3,78 / (daphnia) (48 .)
		58 / ()
141-78-6 ethyl acetate		
EC50	165 / (daphnia) (48 .)	
LC50 (96 .)	230 / ()	
78-83-1 2-methylpropan-1-ol		
EC50	1799 / () (72 .)	1100 / (daphnia) (48 .)
LC50 (96 .)	1430 / ()	
123-86-4 n-butyl acetate		
EC50	648 / () (72 .)	44 / (daphnia) (48 .)
LC50 (96 .)	18 / ()	
110-19-0 isobutyl acetate		
EC50	370 / () (72 .)	25 / (daphnia)
LC50 (96 .)	17 / ()	
67-64-1 acetone		
EC50	8800 / (daphnia)	
LC50 (96 .)	5540 / ()	
123-42-2 4-hydroxy-4-methylpentan-2-one		
EC50	1001 / () (72 .)	1000 / (daphnia) (48 .)
LC50 (96 .)	101 / ()	
100-41-4 ethylbenzene		
EC50	75 / (daphnia) (48 .)	
67-63-0 propan-2-ol		
EC50	1001 / () (72 .)	10000 / (daphnia) (24 .)

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LC50 (96 h) 9640 / ()

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· 12.2

Toluene CAS n. 108-88-3
OECD)

· 12.3

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PBT (

) vPvB (

· PBT:

· vPvB:

· 12.6

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· 13.1

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· 14.1

UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

· IMDG, IATA

UN1263

PAINT

640D

· 14.3

· ADR, IMDG, IATA



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14)

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(13)

3	
· 14.4 · ADR, IMDG, IATA	II
· 14.5 :	:
· 14.6	:
· EMS: (): · Stowage Category	33 F-E, S-E B
· 14.7 MARPOL73/78 () IBC Code ()	II
· ADR · (LQ) · (EQ)	5L : 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":	UN 1263 640D, 3, II

15

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,
2012/18/EU
1: 5000
2: 50000
· P

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15.2

14)

16

H225
H226
H304
H312
H315
H318
H319
H332
H335
H336
H361d
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 . Category 2

Flam. Liq. 3: Flammable liquids . Category 3

Acute Tox. 4: Acute toxicity . Category 4

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

Eye Dam. 1: Serious eye damage/eye irritation . Category 1

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

Repr. 2: Reproductive toxicity . Category 2

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

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

Asp. Tox. 1: Aspiration hazard . Category 1

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

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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