

: 16.07.2015

: 16.07.2015

1:

· 1.1

PC39

· 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



Eye Irrit. 2 H319

Skin Sens. 1 H317

Aquatic Chronic 3 H412

67/548/EEC

1999/45/EC



R43:

R52/53:

· 2.2

(EC) 1272/2008

(CLP).

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GHS07

C.I. ACID BLACK 194

a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

H319

H317

H412

P261

P280

P273

P305+P351+P338

P321

P501

2.3

PBT (

) vPvB

PBT:

vPvB:

3:

3.2

CAS: 57693-14-8
EINECS: 260-906-9

C.I. ACID BLACK 194

Xi R36

Xi R43

N R51/53

Aquatic Chronic 2, H411

Eye Irrit. 2, H319; Skin Sens. 1, H317

5-9,99%

3)

RU

PC39

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol Xi R36 Eye Irrit. 2, H319	(²⁾ 1-2,499%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-XXXX	ammonia C R34 N R50 Skin Corr. 1B, H314 Aquatic Acute 1, H400 STOT SE 3, H335	0,1-<0,5%
CAS: 55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1) T R23/24/25 C R34 Xi R43 N R50/53 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Skin Corr. 1B, H314 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	<0,0015%

16.

4:

4.1

48

4.2

11

4)

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· 4.3

3)

5:

· 5.1

CO₂,

· 5.2

· 5.3

6:

· 6.1

· 6.2

· 6.3

· 6.4

13.

13.

7.

8.

7:

· 7.1

5)

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7.2

7.3

8

5 °C

8:

8.1

112-34-5 2-(2-butoxyethoxy)ethanol

PDK : 10 /m³

DNEL

112-34-5 2-(2-butoxyethoxy)ethanol

()	DNEL	1,25 / b w / d (popolazione)
()	DNEL	67,5 /mc ()
	DNEL acuto/agudo/ostre/aigu/acute/akut	34 /m c (popolazione)
		101,2 /mc ()
		50,6 /mc (popolazione)
	DNEL	20 / bw/d ()
		10 / bw/d (popolazione)

PNEC

112-34-5 2-(2-butoxyethoxy)ethanol

PNEC Acqua dolce/water/woda sjo/dka/eau/agua 1 /L ()

PNEC Suolo/earth/suelo/sol/gleba/ 0,4 / ()

6)

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8.2



EN 374

89/686/

9:

9.1

pH:

100 °C

7)

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:

(6)

	:	98 °C
):	(,	.
	:	225 °C
.	:	.
.	:	.
.	:	.
.	:	.
.	:	0,9 . %
.	:	5,9 . %
.	20 °C:	1
.	20 °C:	1,023 /cm ³
.	:	:
.	:	:
.	:	/
.	:	(n- /
):	.	.
.	:	.
.	20 °C:	29 s (ISO 3 mm)
.	:	.
.	(+
.)	1,20 %
.	:	88,7 %
· VOC (EC)	:	12,3 /
· 9.2	:	10,0 %

10:

- 10.1
- 10.2

- 10.3
- 10.4

- 10.5

8)

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10.6

11:

11.1

LD/LC50 (/),

112-34-5 2-(2-butoxyethoxy)ethanol

() LD50 2410 / (rat/szczur/mouse/souris/Maus/rat n)

() LD50 2764 / (rabbit/kr lik/Kaninchen/conejo/lapin)

1336-21-6 ammonia

() LD50 350 / (rat/szczur/mouse/souris/Maus/rat n)

12:

12.1

112-34-5 2-(2-butoxyethoxy)ethanol

EC50 101 / () (48 .)

101 / (daphnia) (48 .)

LC50 (96 .) 1300 / (Leuciscus idus melanotus)

1336-21-6 ammonia

LC50 (96 .) 101 / (daphnia)

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

EC50 0,1 / (daphnia) (48 .)

12.2

12.3

12.4

1 (-):

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:

(8)

· 12.5

) vPvB (

PBT (

)

· **PBT:**

· **vPvB:**

· 12.6

13:

· 13.1

:

080111

14:

· 14.1

UN

· ADR, ADN, IMDG, IATA

· 14.2

· ADR, ADN, IMDG, IATA

· 14.3

· ADR, ADN, IMDG, IATA

· 14.4

· ADR, IMDG, IATA

· 14.5

:

:

· 14.6

· 14.7

II

MARPOL73/78 (

) **IBC Code** (

)

· **UN "Model Regulation":**

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PC39

(9)

15:

15.1

1907/2006 1272/2008

P

161/2006 (2004/42/EC)-

15.2

16:

- H301
- H311
- H314
- H317
- H319
- H331
- H335
- H400
- H410

H411

R23/24/25

R34

R36

R43

R50

R50/53

R51/53

: 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

(11)

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(10)

*PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Acute Tox. 3: Acute toxicity, Hazard Category 3**Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B**Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2**Skin Sens. 1: Sensitisation - Skin, Hazard Category 1**STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3**Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

1999/45/EC

67/548/

ECHA -

INRS Fiche Toxicologique

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