

: 23.03.2017

: 23.03.2017

1

· 1.1

PZ409

· 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



Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

· 2.2

(EC) 1272/2008

(CLP).



GHS07

C.I. ACID BLACK 194
1,2-benzisothiazol-3(2H)-one

H315

H319

H317

: 23.03.2017

: 23.03.2017

PZ409

:

(1)

P261 / / / / /

P280

P305+P351+P338

P321

P333+P313

P501

2.3

PBT (

) vPvB

()

PBT:

vPvB:

3

/

3.2

CAS: 111-90-0 EINECS: 203-919-7 Reg.nr.: 01-2119475105-42-XXXX	2-(2-ethoxyethoxy)ethanol	5-9,99%
CAS: 57693-14-8 EINECS: 260-906-9 Reg.nr.: 01-2119969289-17-XXXX	C.I. ACID BLACK 194 ⚠ Aquatic Chronic 2, H411 ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2,499%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-XXXX	3-butoxypropan-2-ol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2,499%
CAS: 108-01-0 EINECS: 203-542-8 Reg.nr.: 01-2119492298-24-XXXX	2-dimethylaminoethanol ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 3, H331 ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	1-2,499%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0,01%

16.

4

4.1

48

()

(

3)

RU

: 23.03.2017

: 23.03.2017

PZ409

:

(2)

.

()

.

(20).

· 4.2

· 4.3

, . 11

5

· 5.1

· 5.2

· 5.3

6

()

· 6.1

· 6.2

· 6.3

· 6.4

(),

13.

7.

4)

RU

: 23.03.2017

: 23.03.2017

PZ409

:

8. (3)

13.

7

7.1

7.2

8 5 °C

7.3

8

8.1

111-90-0 2-(2-ethoxyethoxy)ethanol		
PDK	:	5 /m ³
+		
108-01-0 2-dimethylaminoethanol		
PDK	:	5 /m ³
/		
DNEL		
111-90-0 2-(2-ethoxyethoxy)ethanol		
()	DNEL	37 /mc ()
	DNEL	18,3 /mc (popolazione)
		5 0 / b w / d
		()
		25 / bw/d (popolazione)
5131-66-8 3-butoxypropan-2-ol		
()	DNEL	270,5 /mc ()
	DNEL	4 4 / b w / d
		()

5)

RU

: 23.03.2017

: 23.03.2017

PZ409

108-01-0 2-dimethylaminoethanol	
DNEL acuto/agudo/ostre/aigu/acute/akut	22 /mc ()
DNEL	7,4 /mc ()
DNEL acuto/agudo/ostre/aigu/acute/akut	5 / bw/d ()
DNEL	1,04 / bw/d ()

PNEC

111-90-0 2-(2-ethoxyethoxy)ethanol	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,74 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,15 / ()
5131-66-8 3-butoxypropan-2-ol	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,525 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,16 / ()
108-01-0 2-dimethylaminoethanol	
PNEC Acqua dolce/water/woda słodka/eau/agua	0,0661 /L ()
PNEC Suolo/earth/suelo/sol/gleba/	0,0177 / ()

8.2



EN 374

89/686/

: 23.03.2017

: 23.03.2017

PZ409

:



9

9.1

pH:

100 °C

100 °C

190 °C

1,1 . %
11,6 . %

20 °C:

1,3

20 °C:

1,2 /cm³

(n- /

7)

RU

: 23.03.2017

: 23.03.2017

PZ409

:

(6)

20 °C:	40 s (ISO 4 mm)
:	+
()	9,36 %
:	65,3 %
VOC (EC)	112,3 /
:	25,3 %
9.2	-

10

10.1

10.2

10.3

10.4

10.5

10.6

11

11.1

LD/LC50 (/),	:
111-90-0 2-(2-ethoxyethoxy)ethanol	
()	LD50 6031 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50 9143 / (rabbit/kr lik/Kaninchen/conejo/lapin)
5131-66-8 3-butoxypropan-2-ol	
()	LD50 3300 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50 2001 / (rat/szczur/mouse/souris/Maus/rat n)
108-01-0 2-dimethylaminoethanol	
()	LD50 1183 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50 1219 / (rabbit/kr lik/Kaninchen/conejo/lapin)
()	LC50/4 6,1 / (rat/szczur/mouse/souris/Maus/rat n)
2634-33-5 1,2-benzisothiazol-3(2H)-one	
()	LD50 1193 / (rat/szczur/mouse/souris/Maus/rat n)
()	LD50 4115 / (rabbit/kr lik/Kaninchen/conejo/lapin)

8)

RU

: 23.03.2017

: 23.03.2017

PZ409

:

(7)

12

· 12.1

· :	
111-90-0 2-(2-ethoxyethoxy)ethanol	
LC50 48 .	1982 / (daphnia)
LC50 (96 .)	101 / ()
5131-66-8 3-butoxypropan-2-ol	
EC50	1001 / () (96 .)
	1001 / (daphnia) (48 .)
LC50 (96 .)	1000 / ()
108-01-0 2-dimethylaminoethanol	
EC50	66,1 / () (72 .)
	98,4 / (daphnia) (48 .)
2634-33-5 1,2-benzisothiazol-3(2H)-one	
EC50	2,94 / (daphnia) (48 .)
LC50 (96 .)	2,18 / ()

· 12.2

· 12.3

· 12.4

1 (-):

· 12.5

) vPvB (PBT ())

· PBT:

· vPvB:

· 12.6

13

· 13.1

(9)

: 23.03.2017

: 23.03.2017

PZ409

:

080111

(

8)

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

· UN "Model Regulation":

15

· 15.1 ,
, 1907/2006 1272/2008

· P

· 15.2 ()
:

16

:

(

10)

RU

: 23.03.2017

: 23.03.2017

PZ409

:

(9)

H226
H302
H312
H314
H315
H317
H318
H319
H331
H400
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. 3: Flammable liquids . Category 3

Acute Tox. 4: Acute toxicity . Category 4

Acute Tox. 3: Acute toxicity . Category 3

Skin Corr. 1B: Skin corrosion/irritation . Category 1B

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

Skin Sens. 1: Skin sensitisation . Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard . Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard . Category 2

1272/2008/EC

ECHA

INRS Fiche Toxicologique

*