

: 14.02.2017

: 11.02.2017

1

· 1.1

PF921

: VEICOLO UNIFORMANTE A SOLV.

· 1.2.

· 1.3

IVM Chemicals Srl

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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



Flam. Liq. 2 H225



STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

1-methoxy-2-propanol
n-butyl acetate
propan-2-ol

H225

H336

2)

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: 14.02.2017

: 11.02.2017

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P210 / / / ..

P241 /

P261 / / / / /

P303+P361+P353 (): /

P405

P501 /

2.3 PBT () vPvB

PBT:

vPvB:

3 /

3.2

| | | |
|--|--|-----------|
| CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-XXXX | 1-methoxy-2-propanol ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336 | 70-89,99% |
| 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: 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 | 1-2,499% |
| CAS: 1589-47-5 EINECS: 216-455-5 | 2-methoxypropanol ⚠ Flam. Liq. 3, H226 ⚠ Repr. 1B, H360D ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 | 0,1-<0,3% |

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48

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7.2

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7.3

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123-86-4 n-butyl acetate

PDK : 200 /m³
: 50 /m³

67-63-0 propan-2-ol

PDK : 50 /m³
: 10 /m³

DNEL

107-98-2 1-methoxy-2-propanol

| | | |
|-----|--|-----------------|
| () | DNEL acuto/agudo/ostre/aigu/acute/akut | 553,5 /mc () |
| | DNEL | 369 /mc () |
| | DNEL | 50,6 / bw/d () |

123-86-4 n-butyl acetate

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

67-63-0 propan-2-ol

| | | |
|-----|------|-------------------------|
| () | DNEL | 26 / bw/d (popolazione) |
|-----|------|-------------------------|

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| | | |
|-----|------|---------------------------|
| () | DNEL | 500 /mc () ⁴⁾ |
| | DNEL | 89 /mc (popolazione) |
| | | 888 / b w / d |
| | | () |
| | | 319 / b w / d |
| | | (popolazione) |

PNEC

107-98-2 1-methoxy-2-propanol

| | |
|---|------------|
| PNEC Acqua dolce/water/woda słodka/eau/agua | 10 /L () |
| PNEC Suolo/earth/suelo/sol/gleba/ | 2,47 / () |

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 / () |

67-63-0 propan-2-ol

| | |
|---|--------------|
| PNEC Acqua dolce/water/woda słodka/eau/agua | 140,9 /L () |
| PNEC Suolo/earth/suelo/sol/gleba/ | 28 / () |

8.2

EN 374

89/686/

6)

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9

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pH:

82 °C

11 °C

270 °C

1,2 . %
20,0 . %

20 °C: 43

20 °C: 0,975 /cm³

(n- /

20 °C: 30 s (ISO 3 mm)

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| | | | |
|----------|---|---------|--|
| | | | |
| | : | + | |
| VOC (EC) | | 89,11 % | |
| | | 868,8 / | |
| 9.2 | : | 10,9 % | |

10

10.1

10.2

10.3

10.4

10.5

10.6

11

11.1

| | | |
|-------------------------------|--------|--|
| LD/LC50 (/), | | |
| 107-98-2 1-methoxy-2-propanol | | |
| () | LD50 | 4016 / (rat/szczur/mouse/souris/Maus/rat n) |
| () | LD50 | 2001 / (rabbit/kr lik/Kaninchen/conejo/lapin) |
| () | LC50/4 | 54,6 / (rat/szczur/mouse/souris/Maus/rat n) |
| 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) |
| 67-63-0 propan-2-ol | | |
| () | LD50 | 4710 / (rat/szczur/mouse/souris/Maus/rat n) |
| () | LD50 | 12800 / (rabbit/kr lik/Kaninchen/conejo/lapin) |
| () | LC50/4 | 72,6 / (rat/szczur/mouse/souris/Maus/rat n) |

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12

· 12.1

| | |
|--------------------------------------|--------------------------|
| 107-98-2 1-methoxy-2-propanol | |
| EC50 | 23300 / (daphnia) (48 .) |
| LC50 (96 .) | 6812 / () |
| 123-86-4 n-butyl acetate | |
| EC50 | 648 / () (72 .) |
| | 44 / (daphnia) (48 .) |
| LC50 (96 .) | 18 / () |
| 67-63-0 propan-2-ol | |
| EC50 | 1001 / () (72 .) |
| | 10000 / (daphnia) (24 .) |
| LC50 (96 .) | 9640 / () |

· 12.2

· 12.3

· 12.4

1 (-):

· 12.5

) vPvB (PBT ()

· PBT:

· vPvB:

· 12.6

13

· 13.1

080111

9)

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: VEICOLO UNIFORMANTE A SOLV.

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14

· 14.1 UN

· ADR, IMDG, IATA

UN1263

· 14.2

· ADR

UN1263

640D

· IMDG, IATA

PAINT

· 14.3

· ADR, IMDG, IATA



3

3

· 14.4

· ADR, IMDG, IATA

II

· 14.5

· 14.6

· EMS: ():
· Stowage Category

33

F-E, S-E

B

· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· ADR

(LQ)

5L

(EQ)

: E2

: 30

: 500

2

D/E

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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

· **15.1**

1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· **P**

· **15.2**

16

H225

H226

H315

H318

H319

H335

H336

H360D

: 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

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

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

Repr. 1B: Reproductive toxicity . Category 1B

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

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1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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