

: 15.02.2017

: 11.02.2017

1

· 1.1

TRM5A012

: **FINITURA PE OP 50**

· 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



Eye Irrit. 2 H319

Skin Sens. 1 H317

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02 GHS07

methacrylic acid, monoester with propane-1,2-diol
n-butyl acetate
butanone
ethyl acetate

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(1)

H225
H319
H317
H336

P210 / / / ..

P241 /

P303+P361+P353 ():

P305+P351+P338 :

P405
P501 /

2.3

PBT () **vPvB**

()

PBT:

vPvB:

3 /

3.2

| | | |
|--|---|-----------|
| 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 | 15-19,99% |
| CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-XXXX | butanone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 | 5-9,99% |
| 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 | 5-9,99% |
| CAS: 27813-02-1 EINECS: 248-666-3 Reg.nr.: 01-2119490226-37-XXXX | methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2, H319; Skin Sens. 1, H317 | 5-9,99% |
| CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38-XXXX | butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336 | 1-2,499% |

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(2)

4

· 4.1

· :

48'

()

· :

()

· :

· :

· 4.2

· 4.3

5

· 5.1

· 5.2

· 5.3

6

· 6.1

· 6.2

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· 6.3

· 6.4

7

· 7.1

· 7.2

· 7.3

8

· 8.1

| | |
|---------------------------------|---|
| 123-86-4 n-butyl acetate | |
| PDK | : 200 /m ³ : 50 /m ³ |

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| 78-93-3 butanone | | (| 4) |
|---|--|--|----|
| PDK | : 400 /m ³ : 200 /m ³ | / | |
| 141-78-6 ethyl acetate | | | |
| PDK | : 200 /m ³ : 50 /m ³ | / | |
| 71-36-3 butan-1-ol | | | |
| PDK | : 30 /m ³ : 10 /m ³ | / | |
| 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) | |
| 78-93-3 butanone | | | |
| () | DNEL | 600 /mc () | |
| | DNEL | 1 1 6 1 / b w / d () | |
| 141-78-6 ethyl acetate | | | |
| () | DNEL | 4 , 5 / b w / d (popolazione) | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut | 1468 /mc () | |
| | DNEL | 734 /mc (popolazione) 734 /mc () 367 /mc (popolazione) | |
| | DNEL | 6 3 / b w / d () 37 / bw/d (popolazione) | |
| 27813-02-1 methacrylic acid, monoester with propane-1,2-diol | | | |
| () | DNEL | 14,7 /mc () | |
| | DNEL | 4 , 2 / b w / d () | |
| PNEC | | | |
| 123-86-4 n-butyl acetate | | | |
| PNEC Acqua dolce/water/woda sjo'dka/eau/agua | 0,18 /L () | | |
| PNEC Suolo/earth/suelo/sol/gleba/ | 0,0903 / () | | |
| 78-93-3 butanone | | | |
| PNEC Acqua dolce/water/woda sjo'dka/eau/agua | 55,8 /L () | | |
| PNEC Suolo/earth/suelo/sol/gleba/ | 22,5 / () | | |

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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 / () |
| 27813-02-1 methacrylic acid, monoester with propane-1,2-diol | |
| PNEC Acqua dolce/water/woda słodka/eau/agua | 0,904 /L () |
| PNEC Suolo/earth/suelo/sol/gleba/ | 0,727 / () |

8.2



EN 374

89/686/



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9

9.1

pH:

77 °C

-4 °C

340 °C

1,2 %
11,5 %

20 °C: 105

20 °C: 1,025 /cm³

20 °C: 55 s (ISO 6 mm)

VOC (EC) 37,41 %
383,4 /

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· 9.2 : 62,6 %

10

· 10.1
· 10.2

· 10.3

· 10.4

· 10.5

· 10.6

11

· 11.1

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) |

78-93-3 butanone

| | | |
|-----|------|---|
| () | LD50 | 2001 / (rat/szczur/mouse/souris/Maus/rat n) |
| () | LD50 | 5001 / (rabbit/kr lik/Kaninchen/conejo/lapin) |
| () | LC50 | 21 / (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) |

27813-02-1 methacrylic acid, monoester with propane-1,2-diol

| | | |
|-----|------|------------|
| () | LD50 | 2001 / () |
| () | LD50 | 5001 / () |

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71-36-3 butan-1-ol

| | | |
|-----|--------|---|
| () | LD50 | 790 / (rat/szczur/mouse/souris/Maus/rat n) |
| () | LD50 | 3400 / (rabbit/kr lik/Kaninchen/conejo/lapin) |
| () | LC50/4 | 8000 / (rat/szczur/mouse/souris/Maus/rat n) |

12

· 12.1

| | |
|---|------------------------|
| 123-86-4 n-butyl acetate | |
| EC50 | 648 / () (72 .) |
| | 44 / (daphnia) (48 .) |
| LC50 (96 .) | 18 / () |
| 78-93-3 butanone | |
| EC50 | 2029 / () (96 .) |
| | 308 / (daphnia) (48 .) |
| LC50 (96 .) | 2993 / () |
| 141-78-6 ethyl acetate | |
| EC50 | 165 / (daphnia) (48 .) |
| LC50 (96 .) | 230 / () |
| 27813-02-1 methacrylic acid, monoester with propane-1,2-diol | |
| EC50 | 97,3 / () (72 .) |
| | 131 / (daphnia) (48 .) |
| LC50 48 . | 493 / () |

· 12.2

· 12.3

· 12.4

· 12.5

) vPvB (PBT ())

· PBT:

· vPvB:

· 12.6

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13

· 13.1

080111

14

· 14.1 **UN**
· ADR, IMDG, IATA

UN1263

· 14.2
· ADR
· IMDG, IATA

UN1263
PAINT

· 14.3
· ADR, IMDG, IATA



3
3

· 14.4
· ADR, IMDG, IATA

III

· 14.5

· 14.6

· EMS: ():
· Stowage Category

-
F-E, S-E
A

· 14.7

MARPOL73/78 ()
IBC Code ()

II

(11)

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: FINITURA PE OP 50

(10)

· ADR

(LQ)

5L

(EQ)

: E1

: 30

: 1000

3

E

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30

Maximum net quantity per outer packaging: 1000

· UN "Model Regulation":

UN 1263

, 3, III

15

· 15.1

1907/2006 1272/2008
2012/18/EU

1: 5000

2: 50000

· P

· 15.2

16

H225

H226

H302

H315

H317

H318

H319

H335

H336

: IVM Chemicals Srl

: Carlo Porta

(12)

RU

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(11)

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
 Skin Sens. 1: Skin sensitisation . Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

1272/2008/EC

ECHA -

INRS Fiche Toxicologique

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