

: 28.12.2021

: 83

: 28.12.2021

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· TG9960

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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

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() 1272/2008

Flam. Liq. 2 H225
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
Repr. 2 H361d

STOT SE 3 H335
STOT RE 1 H372-H373

Aquatic Chronic 3 H412

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(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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styrene
maleic anhydride
toluene

H225
H315
H319
H317
H361d
H335
H372-H373

H412

P210 / / / ..

P241 /

P303+P361+P353 (): /

P305+P351+P338 :

P405

P501 /

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

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PBT () **vPvB**

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PBT:

vPvB:

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|------------------------------------|--|--------------|
| CAS: 100-42-5 EINECS: 202-851-5 | styrene <ul style="list-style-type: none"> ⚠ Flam. Liq. 3, H226 ⚠ Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412 | 25-29,99% |
| CAS: 108-88-3 EINECS: 203-625-9 | toluene <ul style="list-style-type: none"> ⚠ 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 | 5-9,99% |
| CAS: 67-64-1 EINECS: 200-662-2 | acetone <ul style="list-style-type: none"> ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 | 1-2,499% |
| CAS: 57-55-6 EINECS: 200-338-0 | propane-1,2-diol | <0,5% |
| CAS: 141-78-6 EINECS: 205-500-4 | ethyl acetate <ul style="list-style-type: none"> ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 | <0,5% |
| CAS: 67-56-1 EINECS: 200-659-6 | methanol <ul style="list-style-type: none"> ⚠ Flam. Liq. 2, H225 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ STOT SE 1, H370 <p style="margin-left: 20px;">STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %</p> | <0,5% |
| CAS: 107-21-1 EINECS: 203-473-3 | ethanediol <ul style="list-style-type: none"> ⚠ STOT RE 2, H373 ⚠ Acute Tox. 4, H302 | <0,5% |
| CAS: 108-31-6 EINECS: 203-571-6 | maleic anhydride <ul style="list-style-type: none"> ⚠ Resp. Sens. 1, H334; STOT RE 1, H372-H373 ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 EUH071 <p style="margin-left: 20px;">Skin Sens. 1A; H317: C ≥ 0,001 %</p> | ≥0,001-<0,1% |

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| : | |
| 100-42-5 styrene | |
| PDK | . . : 10 /m ³ . . : 30 /m ³ ; |
| 108-88-3 toluene | |
| PDK | . . : 50 /m ³ . . : 150 /m ³ ; |
| 67-64-1 acetone | |
| PDK | . . : 200 /m ³ . . : 800 /m ³ ; |
| 57-55-6 propane-1,2-diol | |
| PDK | . . : 7 /m ³ + ; |
| 141-78-6 ethyl acetate | |
| PDK | . . : 50 /m ³ . . : 200 /m ³ ; |
| 67-56-1 methanol | |
| PDK | . . : 5 /m ³ . . : 15 /m ³ ; +; |
| 107-21-1 ethanediol | |
| PDK | . . : 5 /m ³ . . : 10 /m ³ + ; |
| 108-31-6 maleic anhydride | |
| PDK | . . : 1 /m ³ + ; A, +; |
| · DNEL | |
| 100-42-5 styrene | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut 289 /mc () 174,25 /mc () DNEL 85 /mc () |

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| | | 10,6 /mc () 4 0 6 / b w / d () 3 4 3 / b w / d () | (6) |
| 108-88-3 toluene | | | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut | 384 /mc () | |
| | DNEL | 192 /mc () | |
| 67-64-1 acetone | | | |
| () | DNEL | 62 / bw/d () | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut | 2.420 /mc () | |
| | DNEL | 1.210 /mc () | |
| | | 200 /mc () | |
| | DNEL | 1 8 6 / b w / d () | |
| | | 62 / bw/d () | |
| 57-55-6 propane-1,2-diol | | | |
| () | DNEL | 168 /mc () | |
| 141-78-6 ethyl acetate | | | |
| () | DNEL | 4,5 / bw/d () | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut | 1.468 /mc () | |
| | | 734 /mc () | |
| | DNEL | 734 /mc () | |
| | | 367 /mc () | |
| | DNEL | 6 3 / b w / d () | |
| | | 37 / bw/d () | |
| Hydrocarbons, C9, aromatics | | | |
| () | DNEL | 150 /mc () | |
| | DNEL | 2 5 / b w / d () | |
| 67-56-1 methanol | | | |
| () | DNEL | 260 /mc () | |
| | DNEL | 4 0 / b w / d () | |
| 107-21-1 ethanediol | | | |
| () | DNEL | 35 /mc () | |
| | DNEL | 1 0 6 / b w / d () | |
| 108-31-6 maleic anhydride | | | |
| () | DNEL acuto/agudo/ostre/ aigu/acute/akut | 0,8 /mc () | |

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| | | DNEL | 0,4 /mc () |
|--|-------|--------|-------------|
| PNEC | | | |
| 100-42-5 styrene | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 28 | /L () | |
| PNEC Suolo/earth/suelo/ / | 0,2 | / () | |
| 108-88-3 toluene | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 0,68 | /L () | |
| PNEC Suolo/earth/suelo/ / | 2,89 | / () | |
| 67-64-1 acetone | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 10,6 | /L () | |
| PNEC Suolo/earth/suelo/ / | 29,5 | / () | |
| 57-55-6 propane-1,2-diol | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 260 | /L () | |
| PNEC Suolo/earth/suelo/ / | 50 | / () | |
| 141-78-6 ethyl acetate | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 0,24 | /L () | |
| PNEC Suolo/earth/suelo/ / | 0,148 | / () | |
| 67-56-1 methanol | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 154 | /L () | |
| 107-21-1 ethanediol | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 10 | /L () | |
| 108-31-6 maleic anhydride | | | |
| PNEC Acqua dolce/water/woda słodka/eau/agua/ | 0,1 | /L () | |

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EN 374

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56 °C (67-64-1 acetone)

1,2 . % (100-42-5 styrene)
30 . % (91051-01-3 Zinc stearate)
-17 °C (67-64-1 acetone)

pH:

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20 °C: 101 s (ISO 6 mm)

(n- /

20 °C: 233 (67-64-1 acetone)

20 °C: 1,021 /cm³

>370 °C

36,94 %

0,0 %

VOC (EC) 377,1 /

88,1 %

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|----------------|--------|---------------|
| LD/LC50 (/), | | |
| ATE ((OOT)) | | |
| () | LD50 | 734.985 / () |
| () | LC50/4 | 46,2 / () |

100-42-5 styrene

| | | |
|-----|--------|-------------|
| () | LD50 | 5.000 / () |
| () | LD50 | 2.001 / () |
| () | LC50/4 | 11,8 / () |

108-88-3 toluene

| | | |
|-----|--------|--------------|
| () | LD50 | 5.000 / () |
| () | LD50 | 12.124 / () |
| () | LC50/4 | 25,7 / () |

67-64-1 acetone

| | | |
|-----|--------|--------------|
| () | LD50 | 5.800 / () |
| () | LD50 | 20.000 / () |
| () | LC50/4 | 76 / () |

57-55-6 propane-1,2-diol

| | | |
|-----|------|--------------|
| () | LD50 | 20.000 / () |
| () | LD50 | 2.001 / () |

141-78-6 ethyl acetate

| | | |
|-----|--------|--------------|
| () | LD50 | 4.934 / () |
| () | LD50 | 20.001 / () |
| () | LC50/4 | 1.600 / () |
| () | LC0 | 22,6 ppm () |

Hydrocarbons, C9, aromatics

| | | |
|-----|--------|-------------|
| () | LD50 | 3.492 / () |
| () | LD50 | 3.161 / () |
| () | LC50/4 | 6.194 / () |

67-56-1 methanol

| | | |
|-----|--------|--------------|
| () | LD50 | 1.187 / () |
| () | LD50 | 17.000 / () |
| () | LC50/4 | 128,2 / () |

107-21-1 ethanediol

| | | |
|-----|--------|-------------|
| () | LD50 | 301 / () |
| () | LD50 | 7.712 / () |
| () | LD50 | 3.501 / () |
| () | LD50 | 9.530 / () |
| () | LC50/6 | 2,5 ppm () |

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108-31-6 maleic anhydride

| | | |
|-----|------|-------------|
| () | LD50 | 400 / () |
| () | LD50 | 2.620 / () |

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|------------------------------------|--------------|--------|
| 100-42-5 styrene | | |
| EC50 | 4,9 / () | (72 .) |
| | 4,7 / () | (48 .) |
| LC50 (96 .) | 4,02 / () | |
| 108-88-3 toluene | | |
| EC50 | 134 / () | (96 .) |
| | 3,78 / () | (48 .) |
| LC50 (96 .) | 5,5 / () | |
| 67-64-1 acetone | | |
| EC50 | 8.800 / () | |
| LC50 (96 .) | 5.540 / () | |
| 57-55-6 propane-1,2-diol | | |
| EC50 | 19.000 / () | (48 .) |
| | 18.340 / () | (48 .) |
| LC50 (96 .) | 40.613 / () | |
| 141-78-6 ethyl acetate | | |
| EC50 | 165 / () | (48 .) |
| LC50 (96 .) | 230 / () | |
| Hydrocarbons, C9, aromatics | | |
| EC50 | 2,9 / () | (72 .) |
| | 3,2 / () | (48 .) |
| LC50 (96 .) | 9,2 / () | |
| 67-56-1 methanol | | |
| EC50 | 8.000 / () | (72 .) |
| | 24.500 / () | (48 .) |

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|----------------------------------|-------------------|
| LC50 (96 .) | 15.400 / () |
| 108-31-6 maleic anhydride | |
| EC50 | 29 / () (72 .) |
| | 42,8 / () (48 .) |
| LC50 (96 .) | 75 / () |

· 12.2

Toluene CAS n. 108-88-3
(OECD, EU RAR)

| | | |
|----------|---------|---|
| 100-42-5 | styrene | . |
| 108-88-3 | toluene | . |
| 67-64-1 | acetone | . |

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PBT (

) vPvB ()

· PBT:

· vPvB:

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· **14.1 UN**
· ADR, IMDG, IATA UN1263

· **14.2**
· ADR
· IMDG, IATA PAINT

· **14.3**
· ADR, IMDG, IATA



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· **14.4**
· ADR, IMDG, IATA III

· **14.5** :
· :

· **14.6** :

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· EMS: F-E, S-E
· Stowage Category A

· **14.7** II

MARPOL73/78 () IBC Code ()

· ADR (LQ) 5L : E1
· (EQ) : 30
· : 1000
· 3
· E
· : > 450 : 3 F1, II

· **IMDG**
· Limited quantities (LQ) 5L
· Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30

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| · | Maximum net quantity per outer packaging: 1000 |
| · | > 450 : 3, II |
| · IATA | > 30 : 3, II |
| · UN "Model Regulation": | UN 1263 , 3, III |

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1907/2006 1272/2008
2012/18/EU

1: 5000
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16:

- H225
- H226
- H301
- H302
- H304
- H311
- H314
- H315
- H317
- H319
- H331
- H332
- H334

- H335
- H336
- H361d
- H370
- H372

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H373

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H412
EUH066

EUH071

: IVM Chemicals Srl

: Claudia Zanella

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 ADR: Accord relatif au transport international 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. 3: Acute toxicity . Category 3
 Acute Tox. 4: Acute toxicity . Category 4
 Skin Corr. 1B: Skin corrosion/irritation . Category 1B
 Skin Irrit. 2: Skin corrosion/irritation . Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation . Category 2
 Resp. Sens. 1: Respiratory sensitisation . Category 1
 Skin Sens. 1: Skin sensitisation . Category 1
 Repr. 2: Reproductive toxicity . Category 2
 STOT SE 1: Specific target organ toxicity (single exposure) . Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) . Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) . Category 1
 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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