

: 19.09.2022

: 28

: 16.09.2022

**1:**

· 1.1

· TVS5AA1

· 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

Flam. Liq. 2 H225  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
Skin Sens. 1 H317  
STOT SE 3 H335-H336  
STOT RE 1 H372-H373

Asp. Tox. 1 H304  
Aquatic Chronic 3 H412

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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**TVS5AA1**

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( 1)

xylene  
Neodecanoic acid, cobalt salt  
ethyl acetate  
ethylbenzene

H225  
H315  
H319  
H317  
H335-H336  
  
H372-H373

H304  
H412

P210 / / / ..

P301+P310 : /

P321 ( . ) .

P331 ( . ) ; /

P303+P361+P353 : /

P362+P364

P405  
P501 /

· 2.3

**PBT** ( ) **vPvB**

( )

· **PBT**:

· **vPvB**:

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**TVS5AA1**

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CAS: 1330-20-7 EINECS: 215-535-7	xylene ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	30-39,99%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	30-39,99%
CAS: 27253-31-2 EINECS: 248-373-0	Neodecanoic acid, cobalt salt ⚠ STOT RE 1, H372 ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 Aquatic Chronic 3, H412	10-14,99%
CAS: 100-41-4 EINECS: 202-849-4	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332 Aquatic Chronic 3, H412	5-9,99%
CAS: 108-88-3 EINECS: 203-625-9	toluene ⚠ Flam. Liq. 2, H225 ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 Aquatic Chronic 3, H412	<0,5%

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48

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**TVS5AA1**

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(NOx)  
( ) (CO)

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· 6.1

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**TVS5AA1**  
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· 7.1 /

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· 7.3 ( )

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:	
<b>1330-20-7 xylene</b>	
PDK	..: 50 /m <sup>3</sup> ..: 150 /m <sup>3</sup> ;
<b>141-78-6 ethyl acetate</b>	
PDK	..: 50 /m <sup>3</sup> ..: 200 /m <sup>3</sup> ;

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**100-41-4 ethylbenzene**

PDK . . : 50 /m<sup>3</sup>  
. . : 150 /m<sup>3</sup>  
;

**108-88-3 toluene**

PDK . . : 50 /m<sup>3</sup>  
. . : 150 /m<sup>3</sup>  
;

**DNEL**

**1330-20-7 xylene**

( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	289 /mc ( )
	DNEL	77 /mc ( )
	DNEL	1 8 0 / b w / d ( )

**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 ( )

**100-41-4 ethylbenzene**

( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	293 /mc ( )
	DNEL	77 /mc ( )
	DNEL	1 8 0 / b w / d ( )

**108-88-3 toluene**

( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ( )
	DNEL	192 /mc ( )

**PNEC**

**1330-20-7 xylene**

PNEC Acqua dolce/water/woda sýdka/eau/agua/水	0,327 /L ( )
PNEC Suolo/earth/suelo/ /地面	2,31 / ( )

**141-78-6 ethyl acetate**

PNEC Acqua dolce/water/woda sýdka/eau/agua/水	0,24 /L ( )
PNEC Suolo/earth/suelo/ /地面	0,148 / ( )

**100-41-4 ethylbenzene**

PNEC Acqua dolce/water/woda sýdka/eau/agua/水	0,1 /L ( )
PNEC Suolo/earth/suelo/ /地面	2,68 / ( )

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**108-88-3 toluene**

PNEC Acqua dolce/water/woda słodka/eau/agua/水	0,68	/L ( )
PNEC Suolo/earth/suelo/ /地面	2,89	/ ( )

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**TVS5AA1**

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77 °C (141-78-6 ethyl acetate)

1 . % (100-41-4 ethylbenzene)  
11,5 . % (141-78-6 ethyl acetate)  
-4 °C (141-78-6 ethyl acetate)  
247 °C (27253-31-2 Neodecanoic acid, cobalt salt)

**pH:**

20 °C:

29 s (ISO 3 mm)

(n-

20 °C:

97 (141-78-6 ethyl acetate)

20 °C:

0,888 /cm<sup>3</sup>



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## TVS5AA1

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	LC50/4 ..	27,571 / ( )
<b>141-78-6 ethyl acetate</b>		
( )	LD50	4.934 / ( )
( )	LD50	20.001 / ( )
( )	LC50/4 .	1.600 / ( )
	LC0	22,6 ppm ( )
<b>27253-31-2 Neodecanoic acid, cobalt salt</b>		
( )	LD50	521,95 / ( )
<b>100-41-4 ethylbenzene</b>		
( )	LD50	3.500 / ( )
( )	LD50	15.486 / ( )
( )	LC50/4 .	17,2 / ( )
<b>108-88-3 toluene</b>		
( )	LD50	5.000 / ( )
( )	LD50	12.124 / ( )
( )	LC50/4 .	25,7 / ( )

## 12:

## 12.1

<b>1330-20-7 xylene</b>		
EC50	2,2 / ( )	
LC50 48 .	1 / ( )	
LC50 (96 .)	2,6 / ( )	
<b>141-78-6 ethyl acetate</b>		
EC50	165 / ( ) (48 .)	
LC50 (96 .)	230 / ( )	
<b>100-41-4 ethylbenzene</b>		
EC50	438 / ( ) (72 .)	
	1,8 / ( ) (48 .)	
LC50 (96 .)	12,1 / ( )	

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**TVS5AA1**

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**108-88-3 toluene**

EC50	134 / ( ) (96 .)
	3,78 / ( ) (48 .)
LC50 (96 .)	5,5 / ( )

· 12.2

1330-20-7	xylene	.
141-78-6	ethyl acetate	.
100-41-4	ethylbenzene	.

· 12.3

· 12.4

· 12.5

**PBT** (

) vPvB ( )

· PBT:

· vPvB:

· 12.6

· 12.7

2 ( - ):

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**14:**

( )

· 14.1

**UN**

· ADR, IMDG, IATA

UN1263

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**TVS5AA1**

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· **14.2**

- ADR
- IMDG, IATA

PAINT

· **14.3**

- ADR, IMDG, IATA



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:

3  
3

· **14.4**

- ADR, IMDG, IATA

II

· **14.5**

: :

· **14.6**

· ):  
· EMS: ( 33  
· Stowage Category F-E, S-E  
B

· **14.7**

II  
MARPOL73/78 ( )  
IBC Code ( )

· ADR  
· (LQ) 5L : E2  
· (EQ)  
: 30  
: 500  
· 2  
· D/E

· **IMDG**

- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E2
- Maximum net quantity per inner packaging: 30
- Maximum net quantity per outer packaging: 500

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**TVS5AA1**

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· UN "Model Regulation": UN 1263 , 3, II

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2012/18/EU

1: 5000  
2: 50000

· P

1330-20-7	xylene
141-78-6	ethyl acetate
27253-31-2	Neodecanoic acid, cobalt salt
100-41-4	ethylbenzene
108-88-3	toluene

· 15.2

( )

**16:**

- H225
- H226
- H302
- H304
- H312
- H315
- H317
- H319
- H332
- H335
- H336
- H361d
- H372
  
- H373
  
- H412
- EUH066

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## TVS5AA1

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: IVM Chemicals Srl

: Claudia Zanella

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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. 4: Acute toxicity . Category 4

Skin Irrit. 2: Skin corrosion/irritation . Category 2

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

Skin Sens. 1: Skin sensitisation . Category 1

Repr. 2: Reproductive toxicity . Category 2

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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