

: 08.10.2018

: 28.09.2018

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· 1.1

PLM5AB24

: **PU WHITE TOP-COAT 20SH**

· 1.2.

· 1.3

IVM Chemicals Srl

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Environmental Health and safety office

[hseoffice@ivmchemicals.com](mailto: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 RE 2 H373



Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H336

· 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS08

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**PLM5AB24**  
**PU WHITE TOP-COAT 20SH**

isobutyl acetate  
xylene  
ethyl acetate  
n-butyl acetate

H225  
H315  
H319  
H336  
H373

P101

P102  
P103  
P210

P241

P303+P361+P353

P305+P351+P338

P405  
P501

EUH208 Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine.

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PBT ( ) vPvB

PBT:  
vPvB:

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**PLM5AB24**  
**: PU WHITE TOP-COAT 20SH**

( 2)

CAS: 110-19-0 EINECS: 203-745-1 Reg.nr.: 01-2119488971-22-XXXX	isobutyl acetate ⚠ Flam. Liq. 2, H225 ⚠ STOT SE 3, H336	15-19,99%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX	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	10-14,99%
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	2,5-4,99%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119488216-32-XXXX	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332	1-2,499%
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	1-2,499%
CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-XXXX	toluene ⚠ 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	0,5-<1%
: 942-330-6 Reg.nr.: 01-2120101675-63-XXXX	Reaction mass of Fatty acids, tall-oil, compds. with oleylamine and Fatty acids, C18-unsatd., trimers, compds. with oleylamine ⚠ STOT RE 2, H373 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	<0,1%

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**7**

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**8**

· 8.1

<b>141-78-6 ethyl acetate</b>	
PDK	: 200 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>100-41-4 ethylbenzene</b>	
PDK	: 150 /m <sup>3</sup> : 50 /m <sup>3</sup>
<b>123-86-4 n-butyl acetate</b>	
PDK	: 200 /m <sup>3</sup> : 50 /m <sup>3</sup>

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<i>DNEL</i>		
<b>110-19-0 isobutyl acetate</b>		
( )	<i>DNEL</i>	5 / bw/d ( )
( )	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	600 /mc ( )
		300 /mc ( )
	<i>DNEL</i>	300 /mc ( )
		35,7 /mc ( )
	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	5 / bw/d ( )
	<i>DNEL</i>	1 0 / b w / d ( )
		5 / bw/d ( )
<b>1330-20-7 xylene</b>		
( )	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	289 /mc ( )
	<i>DNEL</i>	77 /mc ( )
	<i>DNEL</i>	1 8 0 / b w / d ( )
<b>141-78-6 ethyl acetate</b>		
( )	<i>DNEL</i>	4,5 / bw/d ( )
( )	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	1.468 /mc ( )
		734 /mc ( )
	<i>DNEL</i>	734 /mc ( )
		367 /mc ( )
	<i>DNEL</i>	6 3 / b w / d ( )
		37 / bw/d ( )
<b>100-41-4 ethylbenzene</b>		
( )	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	293 /mc ( )
	<i>DNEL</i>	77 /mc ( )
	<i>DNEL</i>	1 8 0 / b w / d ( )
<b>123-86-4 n-butyl acetate</b>		
( )	<i>DNEL</i>	2 / bw/d ( )
( )	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	600 /mc ( )
		300 /mc ( )
	<i>DNEL</i>	300 /mc ( )
		35,7 /mc ( )
	<i>DNEL acuto/agudo/ostre/aigu/acute/akut</i>	1 1 / b w / d ( )
		6 / bw/d ( )

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	DNEL	11 / bw/d ( ) 6 / bw/d ( )
<b>108-88-3 toluene</b>		
( )	DNEL acuto/agudo/ostre/ aigu/acute/akut	384 /mc ( )
	DNEL	192 /mc ( )
	DNEL	384 / bw/d ( )
<b>PNEC</b>		
<b>110-19-0 isobutyl acetate</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,17 /L ( )
PNEC Suolo/earth/suelo/ /地面		0,0755 / ( )
<b>1330-20-7 xylene</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,327 /L ( )
PNEC Suolo/earth/suelo/ /地面		2,31 / ( )
<b>141-78-6 ethyl acetate</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,24 /L ( )
PNEC Suolo/earth/suelo/ /地面		0,148 / ( )
<b>100-41-4 ethylbenzene</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,1 /L ( )
PNEC Suolo/earth/suelo/ /地面		2,68 / ( )
<b>123-86-4 n-butyl acetate</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,18 /L ( )
PNEC Suolo/earth/suelo/ /地面		0,0903 / ( )
<b>108-88-3 toluene</b>		
PNEC Acqua dolce/water/woda słodka/eau/agua/水		0,68 /L ( )
PNEC Suolo/earth/suelo/ /地面		2,89 / ( )

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EN 374

89/686/

**9**

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pH:

77 °C

-4 °C

370 °C



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( 8)

	:	
	:	
	:	,
	/	
	:	1 . %
	:	11,5 . %
	<b>20 °C:</b>	97
	<b>20 °C:</b>	1,236 /cm <sup>3</sup>
	:	:
	:	:
	/	
	:	
	(n-	/
	):	
	:	
	:	
	<b>20 °C:</b>	55 s (ISO 6 mm)
	:	
	:	
	(	+
	)	36,36 %
	:	0,0 %
	<b>VOC (EC)</b>	449,4 /
	:	63,6 %
<b>9.2</b>	:	

**10**

· 10.1

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· 10.5

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**: PU WHITE TOP-COAT 20SH**

· 10.6

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*LD/LC50 ( / ),*

**110-19-0 isobutyl acetate**

( )	LD50	13.400 / ( )
( )	LD50	17.401 / ( )
( )	LC50/4	31 / ( )

**1330-20-7 xylene**

( )	LD50.	3.523 / ( )
( )	LD50.	12.126 / ( )
( )	LC50/4 ..	27,571 / ( )

**141-78-6 ethyl acetate**

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

**100-41-4 ethylbenzene**

( )	LD50	3.500 / ( )
( )	LD50	15.486 / ( )
( )	LC50/4	17,2 / ( )

**123-86-4 n-butyl acetate**

( )	LD50	10.760 / ( )
( )	LD50	14.000 / ( )
( )	LC50/4	21,1 / ( )

**108-88-3 toluene**

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

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**12**

· 12.1

<b>110-19-0 isobutyl acetate</b>	
EC50	370 / ( ) (72 .)
	25 / ( )
LC50 (96 .)	17 / ( )
<b>1330-20-7 xylene</b>	
EC50	2,2 / ( ) (72 .)
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 / ( )
<b>123-86-4 n-butyl acetate</b>	
EC50	397 / ( ) (72 .)
	44 / ( ) (48 .)
LC50 (96 .)	18 / ( )
<b>108-88-3 toluene</b>	
EC50	134 / ( ) (96 .)
	3,78 / ( ) (48 .)
LC50 (96 .)	5,5 / ( )

· 12.2

110-19-0	isobutyl acetate	.
1330-20-7	xylene	.
141-78-6	ethyl acetate	.
100-41-4	ethylbenzene	.
123-86-4	n-butyl acetate	.
108-88-3	toluene	.

· 12.3

· 12.4

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**: PU WHITE TOP-COAT 20SH**

· 12.5 ) vPvB ( PBT ( ( 11)  
· PBT:  
· vPvB:  
· 12.6

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· 13.1  
:  
:  
:  
080111  
:  
:

**14**

· 14.1 UN  
· ADR, IMDG, IATA UN1263

· 14.2  
· ADR UN1263  
· IMDG, IATA PAINT

· 14.3  
· ADR, IMDG, IATA



· 3  
· 3

· 14.4  
· ADR, IMDG, IATA III

· 14.5 :  
:

· 14.6 :  
:  
· EMS: ( ): -  
F-E, S-E

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**: PU WHITE TOP-COAT 20SH**

( 12)

· *Stowage Category*

A

· 14.7

II

MARPOL73/78 (

) IBC Code (

)

· *ADR*

(LQ)

5L

(EQ)

: E1

: 30

: 1000

3

E

· *IMDG*

· *Limited quantities (LQ)*

5L

· *Excepted quantities (EQ)*

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

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H304  
H312  
H315  
H317  
H319  
H332  
H335  
H336  
H361d  
H373

H412

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: 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. 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. 1A: Skin sensitisation . Category 1A  
Repr. 2: Reproductive toxicity . Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) . Category 3  
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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