

PLA046 INTERTHANE 987 PART B

1

09/06/13

1.

1.1. INTERTHANE 987 PART B
PLA046

1.2.

1.3.

International Paint Singapore Pte Ltd
3 Neythal Road
Jurong Town
Singapore 628570

+65 6261 5033

+65 6264 4612

1.4.

+65 6261 5033

2.

2.1.

3; H226
1; H317
1; H334

2; H411

2.2.

11 , 12



H226
H316 가
H317
H334

H411

[]:

P210 / / /

P260 / /

P261 / /가 / / /

P262 , ,

P272

P273

P280 / / /

P285 가

[]:

P301+310 : /

P302+352 :

P303+361+353 () :

P304+341 : 가

P321 ().

P332+P313 Not Defined

P331

P332+313 : /

P333+313 /

P342+311 : /

P363

P370 :

P378 , , ,

P391

[]:

P403+233 가

[]:

P501 ()

2.3.

PBT (,) vPvB (,)

3.

/	%	GHS	
HDI homopolymer CAS No: 0028182-81-2	70-80	1;H317 1;H334	[1]
Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6	10-20	1;H304	[1]
1,2,4-trimethylbenzene CAS No: 0000095-63-6	5-10	3; H226 - 4;H332 / 2;H319 -1 ;H335 / 2;H315 - 2;H411	[1][2]
1,3,5-trimethylbenzene CAS No: 0000108-67-8	1-2.5	3; H226 -1 ;H335 - 2;H411	[1]
1,6-Hexamethylenediisocyanate	<1		[1][2]

CAS No: 0000822-06-0

- 3;H331
/ 2;H319
-1 ;H335
/ 2;H315
1;H334
1;H317

- 1)
- 2) 가
- 3) PBT vPvB
16

가 , 가
가 .

4.

4.1.

가

가 ,

10 ,

4.2. 가 /

4.3.

5. ,

5.1.

; , , , .

Note; 가 .

가 .

5.2.

가 .

:

5.3.

가

가

6.

6.1.

가

가

가

가

6.2.

가

6.3.

.8

가 가

가

(

.)

(除染劑)

(45%),

Ethanol isopropyl alcohol(50%),
sodium carbonate(5%) (95%)

Amonia solution(d:0.88, 5%)

가
가

7.

7.1.

/

가

가

가

가

가

가 (LEL)

(OEL)

7.2.

(

)

가 , 1 가 .

7.3. Specific end use(s)

가 , 가 . 3

Hot surfaces, Sparks,

가 (60% ,)

8.

8.1.

(OEL)

(ACGIH)

(ACGIH)

ppm

mg/m³

ppm

mg/m³

1,6-Hexamethylenediisocyanate

-

0.07

0.005

0.034

HDI homopolymer

0.07

0.02

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)

(Cat 2) 가

(Cat 3)

DNEL/PNEC

8.2.

가

ISOCYANATE

가

가

가
respiratory protective equipment)

(Air fed

가

(visor)

(overall)

가

가

.가

가

(air fed respirator)

, 가

9.

pH

/ (°C)

(°C)

165

50

(= 1)

(,)

/

:

: 7 (Solvent naphtha (petroleum), light

aromatic)

(Pa)

1.06

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

(7) .

가

, Bases,

CO,CO2,NOx

CO2

가

10.3.

가

10.4.

10.5.

10.6.

가

11.

(OEL)

가

가

가

가

가

가

2

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr

1,2,4-trimethylbenzene - (95-63-6)	3,400.00,	3,160.00,	18.00,	
1,3,5-trimethylbenzene - (108-67-8)			24.00,	
1,6-Hexamethylenediisocyanate - (822-06-0)				
HDI homopolymer - (28182-81-2)	5,000.00,			
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	6,800.00,	3,400.00,		

()		
()		
()		
/		
/		
	1	,
	1	.
(1)		
()		

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

가
(3)

가

	96 hr LC50 mg/l	49 hr EC50 mg/l	ErC50 mg/l
HDI homopolymer - (28182-81-2)	100.00, Danio rerio	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus
Solvent naphtha (petroleum), light aromatic - (64742-95-6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
1,2,4-trimethylbenzene - (95-63-6)	7.72, Pimephales promelas	3.60, Daphnia magna	
1,3,5-trimethylbenzene - (108-67-8)	12.52, Carassius auratus	6.00, Daphnia magna	25.00 (48 hr), Scenedesmus subspicatus
1,6-Hexamethylenediisocyanate - (822-06-0)	82.80, Danio rerio	89.10, Daphnia magna	77.40 (72 hr), Desmodesmus subspicatus

12.2.

가 .

12.3.

12.4.

12.5. , , 가

PBT (,) vPvB (,) .

12.6.

13.

13.1.

가

14.

14.1.

1263

14.2.

14.3.

1263, , 3, III, 3[Y]

IMDG

Class/Div. 3

EmS

F-E,S-E

ICAO/IATA

3

14.4.

III

14.5.

:

IMDG

: (Solvent naphtha (petroleum), light aromatic)

14.6.

가

가

14.7.

MARPOL73/78 Annex II IBC Code .

15.

None noted.

16.

SDS

Section 3

Phrases

H226

H304

H315

H317

H319

H332

H334

H335

H411

This SDS is valid for 5 years from the revised date on page 1.



Akzo Nobel

가