

PLA046 INTERTHANE 987 PART B

4

10/29/14

1.

1.1. INTERTHANE 987 PART B
PLA046

1.2.

1.3.

626-6

(8-6)

1.4.

055-632-6286(),055 586 2310()

055 587 6276()

055 586 2310()

055 586 2310()

2.

2.1.

3; H226

1;H317

1;H334

2;H411

2.2.

11 , 12



H226

H317

H334

H411

[]:

P210 / / /

P260 / /

P261 / 가 / / /

P262 , ,

P272

P273

P280 / / /

P285 가

[]:

P301+310 : /

P302+352 :

P303+361+353 () :

P304+341 : 가

P321 ().

P331

P332+313 : /

P333 :

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 CAS No: 0000822-06-0 | <1 | - 4;H302 - 3;H311 - 1;H330 | [1][2] |

| | | | |
|--|----|--|-----|
| | | / 2;H315 / 2;H319 1;H317 1;H334 -1 ;H335 | |
| | <1 | --- | --- |

- 1)
- 2) 가
- 3) PBT vPvB
16

4.

4.1.

가

가

10

4.2. 가 /

4.3.

5. ,

5.1.

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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%), Amonia solution(d:0.88, 5%)
sodium carbonate(5%) (95%)

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

0.005 0.034

HDI homopolymer

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

49

(= 1)

(,)

/

:

: 7 (Solvent naphtha (petroleum), light

aromatic)

(Pa)

1.07

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

(7).

가

, Bases,

CO,CO2,NOx

CO2

가

10.3.

가

10.4.

(7).

10.5.

10.6.

가

11.

(OEL)

가

가

가

/

가

가

가

가

2

| | | | | | |
|--|----------------|----------------|-------|---|-------|
| | LD50, mg/kg | LD50, mg/kg | LD50, | / | LD50, |
|--|----------------|----------------|-------|---|-------|

| | | | mg/L/4hr | 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, | | |

| | | |
|------|---|---|
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| (1) | | |
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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.

MSDS 8

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 (CMR):
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Group I:

Group II:

16.

: 10/29/2014
 : 4
 : 03/09/2007

MSDS KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS

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