

**ENA303 INTERSHIELD 300 PART B**

1

08/30/13

**1.****1.1.**

INTERSHIELD 300 PART B

ENA303

**1.2.****1.3.**

International Paint Singapore Pte Ltd

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+65 6264 4612

**1.4.**

+65 6261 5033

**2.****2.1.**

3; H226

- 4;H312

- 4;H332

/

2;H315

/

1;H318

1;H317

1;H334

-1 ;H335

2;H411

**2.2.**

11 , 12



H226  
H312  
H315  
H317  
H318  
H332  
H334  
H335  
H411

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P271 가  
P272  
P273  
P280 / / /

[ ]:

P302+352 :  
P303+361+353 ( ) :  
/ P304+312 : /  
P305+351+338 가 : .가  
P310 /  
P321 ( ).  
P322 ( ).  
P333+313 /  
P340 가  
P341 가  
P342+311 : /  
P362  
P363  
P370 :  
P378 , , ,  
P391

[ ]:

P403+233 가  
P405 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
Alkylated phenolic diamine CAS No: 0068413-28-5	40-50	/ 2AIH319 -1 ;H335 / 2;H315	[1]
m-xylene CAS No: 0000108-38-3	20-30	3; H226 - 4;H332 - 4;H312 / 2;H315	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332 - 4;H312 / 2;H315	[1][2]
n-Butanol CAS No: 0000071-36-3	10-20	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Ethanediamine CAS No: 0000107-15-3	1-2.5	3; H226 - 4;H312 - 4;H302 / 1B;H314 1;H334 1;H317	[1][2]

1)

2)

3) PBT

vPvB

16

가

가

가

4.

4.1.

가

가

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 . (13 .)

가 .

가 .

, 가 , 가 .

7.

7.1.

가 .

가 (LEL) (OEL)

가

가

가 (LEL) (OEL)

7.2. ( )

, 8

가

가

61

가

1

7.3. Specific end use(s)

가

, 가

. 3

Hot surfaces, Sparks,

가

( 60% , )

8.

8.1.

(OEL)

(ACGIH)

(ACGIH)

ppm

mg/m<sup>3</sup>

ppm

mg/m<sup>3</sup>

n-Butanol

50

152

-

-

xylene

150

651

100

434

(P)

(Peak exposure limit)

(R)  
(Sk)  
(Sen)  
(Cat 1)  
(Cat 2)  
(Cat 3)

가

**DNEL/PNEC**

**8.2.**

가

가

(visor)

(overall)

가

가

.가

가

**9.**

**pH**

/ (°C)

(°C)

116

26

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

(Section 7 )

가

10.3.

가

10.4.

(7 .)

10.5.

10.6.

가

11.

(OEL)

가

가

가

2

	LD50, mg/kg	LD50, mg/kg	LD50, mg/L/4hr	/ LD50, mg/L/4hr
Alkylated phenolic diamine - (68413-28-5)				
Ethanediamine - (107-15-3)	1,200.00,	560.00,		

m-xylene - (108-38-3)	5,000.00,	12,182.00,		
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,

( )		
( )	4	
( )	4	
/	2	
/	1	
	1	
	1	
(1 )	3	
( )		

**12.**

**12.1.** 1999/45/EC 가 , 가

	96 hr LC50 mg/l ,	49 hr EC50 mg/l ,	ErC50 mg/l ,
Alkylated phenolic diamine - (68413-28-5)			
m-xylene - (108-38-3)	8.40, Oncorhynchus mykiss	3.53, Daphnia magna	4.90 (72 hr), Pseudokirchneriella subcapitata
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Ethanediamine - (107-15-3)	70.00, Fish (Piscis)	10.00, Daphnia magna	10.00 (72 hr), Selenastrum capricornutum

**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 : ( m-xylene )

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

None noted.

16.

SDS

Section 3

Phrases

H226

H302

H312

H314

H315

H317

H318

H319

H332

H334

H335

H336

H372

**SDS**



Akzo Nobel

가