

**BEA354 INTERSMOOTH 360 SPC BROWN**

1

08/30/13

**1.**
**1.1.** INTERSMOOTH 360 SPC BROWN  
 BEA354

**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.** .

**2.2.**

11 , 12

[ ]:

[ ]:

[ ]:

[ ]:

**2.3.** .

**3.**

/	%	GHS	
Copper oxide (Cu <sub>2</sub> O) CAS No: 0001317-39-1	30-40	- 4;H302 - 1;H400 - 1;H410	[1]

xylylene CAS No: 0001330-20-7	20-30	3; H226 - 4;H332 - 4;H312 / 2;H315	[1][2]
n-Butanol CAS No: 0000071-36-3	5-10	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[1][2]
Zinc pyridinethione CAS No: 0013463-41-7	2.5-5	- 4;H302 - 1;H330 / 2;H315 / 1;H318 - 1;H400	[1]
Methyl isobutyl ketone CAS No: 0000108-10-1	2.5-5	2;H225 - 4;H332 / 2;H319 -1 ;H335	[1][2]
Iron(III) oxide CAS No: 0001332-37-2	2.5-5		[1]
Chlorinated paraffin c22-30 CAS No: 0063449-39-8	2.5-5		[1]
1-Butoxy-2-propanol CAS No: 0005131-66-8	1-2.5	/ 2;H319 / 2;H315	[1]
Ethylbenzene CAS No: 0000100-41-4	1-2.5	2;H225 - 4;H332	[1][2]
polyamide dispersion CAS No: 0055349-01-4	<1	1;H317 - 4;H413	[1]

1)

2) 가

3) PBT vPvB  
16

가 , 가  
가 .

4.

4.1.

4.2. 가 /

4.3.

5. ,

5.1.

5.2.

5.3.

6.

6.1.

6.2.

6.3.

7.

7.1.

7.2. ( )

7.3. Specific end use(s)

8.

8.1.

,  
(OEL)

(ACGIH)

(ACGIH)

	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethylbenzene	125	543	100	434
Methyl isobutyl ketone	75	307	50	205
n-Butanol	50	152	-	-
xylene	150	651	100	434

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)

(Cat 2) 가

(Cat 3)

DNEL/PNEC

8.2.

9.

pH / (°C)  
(°C)  
( = 1)  
( , ) / : 1.4 ( n-Butanol )  
: 6.6 ( xylene )  
(Pa)

0.00

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

10.3. 가

10.4.

10.5.

10.6.

11.

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

			mg/L/4hr	mg/L/4hr
1-Butoxy-2-propanol - (5131-66-8)	5,009.00,			
Chlorinated paraffin c22-30 - (63449-39-8)	11,700.00,			
Copper oxide (Cu2O) - (1317-39-1)	470.00,	2,000.00,		50.00,
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
Iron(III) oxide - (1332-37-2)				
Methyl isobutyl ketone - (108-10-1)	2,080.00,	16,000.00,		
n-Butanol - (71-36-3)	2,292.00,	3,430.00,		
polyamide dispersion - (55349-01-4)				
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,
Zinc pyridinethione - (13463-41-7)	774.00,	2,000.00,		1.03,

( )		
( )		
( )		
/		
/		
(1 )		
( )		

**12.**

**12.1.**

	96 hr LC50 mg/l	49 hr EC50 mg/l	ErC50 mg/l
Copper oxide (Cu2O) - (1317-39-1)	0.075, Danio rerio	0.042, Daphnia similis	0.03 (96 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
Zinc pyridinethione - (13463-41-7)	0.0026, Pimephales promelas	0.0082, Daphnia magna	0.028 (96 hr), Selenastrum capricornutum
Methyl isobutyl ketone - (108-10-1)	505.00, Pimephales promelas	1,550.00, Daphnia magna	980.00 (48 hr), Scenedesmus subspicatus
Iron(III) oxide - (1332-37-2)			

Chlorinated paraffin c22-30 - (63449-39-8)	300.00, Lepomis macrochirus	102.00, Daphnia magna	
1-Butoxy-2-propanol - (5131-66-8)			
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
polyamide dispersion - (55349-01-4)			

12.2.

12.3.

12.4.

12.5. , , 가

12.6.

13.

13.1.

14.

14.1.

14.2.

14.3.

IMDG Class/Div.

EmS

ICAO/IATA

14.4.

14.5.

:

IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

SDS

Section 3            Phrases

H225

H226

H302

H312

H315

H318

H319

H330

H332

H335

H336

H372

H400

H410

**SDS**



Akzo Nobel

가