

**BEA837 INTERSMOOTH 7465Si SPC BROWN**

1

08/30/13

1.

1.1. INTERSMOOTH 7465Si SPC BROWN  
BEA837

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

- 4;H302

- 4;H312

- 4;H332

/

2;H315

/

1;H318

-

1;H410

2.2.

11 , 12



H226  
H302  
H312  
H315  
H318  
H332  
H410

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P270  
P271 가  
P273  
P280 / / /

[ ]:

P301+310 : /  
P302+352 :  
P303+361+353 ( ) :  
P304+312 : /  
P305+351+338 가 : .가

P321 ( ).  
P322 ( ).  
P330  
P340 가  
P362  
P363  
P370 :  
P378  
P391

[ ]:

P403+233 가

[ ]:

P501 ( )

**2.3.**

PBT ( , ) vPvB ( , )

**3.**

/	%	GHS	
Copper oxide (Cu2O) CAS No: 0001317-39-1	30-40	- 4;H302 - 1;H400 - 1;H410	[1]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332 - 4;H312	[1][2]

		/ 2;H315	
Zinc oxide CAS No: 0001314-13-2	10-20	- 1;H400 - 1;H410	[1][2]
Ethylbenzene CAS No: 0000100-41-4	2.5-5	2;H225 - 4;H332	[1][2]
Copper pyrithione CAS No: 0014915-37-8	2.5-5	- 4;H302 - 1;H330 / 2;H315 / 1;H318 - 1;H400	[1]
Copper oxide CAS No: 0001317-38-0	1-2.5	- 4;H302 - 1;H400 - 1;H410	[1]
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.

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

(13 .)

가

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2. ( )

, 8

가 , 가  
 가 , 61  
 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>
Ethylbenzene	125	543	100	434
Iron oxide	-	-	-	5
xylene	150	651	100	434
Zinc oxide	-	-	-	10

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)

(Cat 2) 가

(Cat 3)

8.2.

가

가

(visor)

(overall)

가

가

.가

가

9.

pH

/ (°C)

(°C)

137

25

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

1.87

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7 )

10.3.

가 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
Copper oxide - (1317-38-0)	470.00,			
Copper oxide (Cu2O) - (1317-39-1)	470.00,	2,000.00,		50.00,
Copper pyrithione - (14915-37-8)	500.00,	2,000.00,		0.07,
Ethylbenzene - (100-41-4)	3,500.00,	15,433.00,	17.20,	
polyamide dispersion - (55349-01-4)				
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,
Zinc oxide - (1314-13-2)	5,000.00,			2.50,

--	--	--

( )	4	
( )	4	
( )	4	
/	2	
/	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 ,
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
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Ethylbenzene - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Copper pyrithione - (14915-37-8)	0.0032, Oncorhynchus mykiss	0.022, Daphnia magna	0.035 (72 hr), Selenastrum capricornutum
Copper oxide - (1317-38-0)	25.40, Oncorhynchus mykiss	0.011, Daphnia magna	0.014 (72 hr), Pseudokirchneriella subcapitata
polyamide dispersion - (55349-01-4)			

**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 : ( Copper(i)oxide )

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

None noted.

16.

SDS

Section 3

Phrases

H226

H302

H312

H315

H318

H319

H330

H332

H336

H372

H400

H410

**SDS**



Akzo Nobel

가