

BEA752 INTERSMOOTH 7460HS SPC BLUE

1 08/30/13

1.

1.1. INTERSMOOTH 7460HS SPC BLUE
BEA752

1.2.

1.3.

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

+65 6261 5033
+65 6264 4612
+65 6261 5033

1.4.

2.

- 2.1.
- 3; H226
 - 4;H302
 - 4;H312
 - 4;H332
- /
- 2;H315
- /
- 1;H318
-
- 1;H410

2.2.
11 , 12



H410

P280 / / /

[]:

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

I	%	GHS	
Copper oxide (Cu2O) CAS No: 0001317-39-1	40-50	- 4;H302 - 1;H400 - 1;H410	[1]
xylene CAS No: 0001330-20-7	20-30	3; H226 - 4;H332 - 4;H312	[1][2]

		/ 2;H315	
Copper pyrithione CAS No: 0014915-37-8	2.5-5	- 4;H302 - 1;H330 / 2;H315 / 1;H318 - 1;H400	[1]
Zinc oxide CAS No: 0001314-13-2	1-2.5	- 1;H400 - 1;H410	[1][2]
Copper oxide CAS No: 0001317-38-0	1-2.5	- 4;H302 - 1;H400 - 1;H410	[1]
n-Butanol CAS No: 0000071-36-3	1-2.5	3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336	[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.

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
가 가 .

6.2.

가 .

6.3.

. 8 .
 , , 가 . (13 .)
가 .
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 ³	ppm	mg/m ³
n-Butanol		50	152	-	-
Titanium dioxide		-	-	-	10
xylene		150	651	100	434
Zinc oxide		-	-	-	10

(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

9.

pH

/ (°C)

(°C)

116

25

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

1.87

10.1.

10.2.

10.3. 가

10.4. $\frac{1}{2} \cdot (7 \cdot 2) = 7$.

10.5.

10.6.

(OEL)

가 . 가

2. 가 , .

	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,
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 oxide - (1314-13-2)	5,000.00,		2.50,
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()	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
Copper pyrithione - (14915-37-8)	0.0032, Oncorhynchus mykiss	0.022, Daphnia magna	0.035 (72 hr), Selenastrum capricornutum
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Copper oxide - (1317-38-0)	25.40, Oncorhynchus mykiss	0.011, Daphnia magna	0.014 (72 hr), Pseudokirchneriella subcapitata
n-Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
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.

This product complies with IMO Antifouling Systems Convention (AFS 2001).
Antifouling Type - Organotin-free conventional.

Copper pyrithione (14915-37-8)
Dicopper oxide (1317-39-1)

SDS

Section 3

Phrases

- H226
- H302
- H312
- H315
- H318
- H319
- H330
- H332
- H335
- H336
- H372
- H400
- H410

SDS



Akzo Nobel

가