

**BQA648 INTERSPEED 6400 BROWN**

1

08/30/13

1.

1.1. INTERSPEED 6400 BROWN  
BQA648

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;H317

1;H410

2.2.

11 , 12



H226  
H302  
H312  
H315  
H317  
H332  
H410

[ ]:

P210 / / /  
P261 / /가 / / /  
P264  
P270  
P271 가  
P272  
P273  
P280 / / /

[ ]:

P301+312 : /  
P302+352 :  
P303+361+353 ( ) :  
/  
P304+340 : 가  
P321 ( ).  
P322 ( ).  
P330  
P333+313 /  
P362  
P363  
P370 :  
P378 , , ,  
P391

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

/	%	GHS	
Copper oxide (Cu2O) CAS No: 0001317-39-1	20-30	- 4;H302 - 1;H400 - 1;H410	[1]
Zinc oxide CAS No: 0001314-13-2	20-30	- 1;H400 - 1;H410	[1][2]
xylene CAS No: 0001330-20-7	10-20	3; H226 - 4;H332 - 4;H312	[1][2]

		/ 2;H315	
Rosin CAS No: 0008050-09-7	10-20	1;H317	[1][2]
Zineb CAS No: 0012122-67-7	5-10	-1 ;H335 1;H317	[1]
carbon black CAS No: 0001333-86-4	1-2.5		[1][2]
Amorphous fumed silica CAS No: 0112945-52-5	1-2.5		[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

(13 )

가

가

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2.

( )

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>
carbon black	-	-	-	3.5
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)

**DNEL/PNEC**

**8.2.** 가

가

(visor)

(overall)

가

가

.가

가

9.

pH

/ (°C)

(°C)

110

26

( = 1)

( , )

/

: 1.1 ( xylene )

: 6.6 ( xylene )

(Pa)

1.86

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
Amorphous fumed silica - (112945-52-5)	3,160.00,			
carbon black - (1333-86-4)	8,000.00,			
Copper oxide (Cu2O) - (1317-39-1)	470.00,	2,000.00,		50.00,
Rosin - (8050-09-7)	7,600.00,	2,500.00,		
xylene - (1330-20-7)	4,299.00,	1,548.00,		20.00,
Zinc oxide - (1314-13-2)	5,000.00,			2.50,
Zineb - (12122-67-7)	2,000.00,	2,000.00,		5.00,

( )	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
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
xylene - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Rosin - (8050-09-7)	1.00, Danio rerio	10.00, Daphnia magna	100.00 (72 hr), Selenastrum capricornutum
Zineb - (12122-67-7)	7.20, Poecilia reticulata	0.97, Daphnia magna	0.5272 (96 hr), Chlorella pyrenoidosa
carbon black - (1333-86-4)	1,000.00, Danio rerio	5,600.00, Daphnia magna	10,000.00 (72 hr), Scenedesmus subspicatus
Amorphous fumed silica - (112945-52-5)			

**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.

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

Dicopper oxide (1317-39-1)

Zineb (12122-67-7)

SDS

Section 3

Phrases

H226

H302

H312

H315

H317

H319

H332

H335

H336

H372

H400

H410

**SDS**



Akzo Nobel

가