

**BQA644 INTERSPEED 6400 RED**

1

08/30/13

1.

1.1. INTERSPEED 6400 RED  
BQA644

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)<br>CAS No: 0001317-39-1 | 20-30 | - 4;H302<br>- 1;H400<br>- 1;H410 | [1]    |
| Zinc oxide<br>CAS No: 0001314-13-2          | 20-30 | - 1;H400<br>- 1;H410             | [1][2] |
| xylene<br>CAS No: 0001330-20-7              | 10-20 | 3; H226<br>- 4;H332<br>- 4;H312  | [1][2] |

|  |       |                    |        |
|--|-------|--------------------|--------|
|  |       | / 2;H315           |        |
| Rosin<br>CAS No: 0008050-09-7                  | 10-20 | 1;H317             | [1][2] |
| Zineb<br>CAS No: 0012122-67-7                  | 5-10  | -1 ;H335<br>1;H317 | [1]    |
| Amorphous fumed silica<br>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> |
|------------|-----|-------------------|-----|-------------------|
| 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)

1.91

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

(Section 7 )

가

10.3.

가

10.4.

10.5.

10.6.

가

11.

(OEL)

가

가

가

2

|  | LD50,<br>mg/kg | LD50,<br>mg/kg | LD50,<br>mg/L/4hr | / LD50,<br>mg/L/4hr |
|--|----------------|----------------|-------------------|---------------------|
| Amorphous fumed silica - (112945-52-5) | 3,160.00,      |                |                   |                     |
| 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<br>mg/l        | 49 hr EC50<br>mg/l       | ErC50<br>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          |
| 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