

**KRA598 INTERBOND 998PB RED ALUMINIUM PART A**

1

08/30/13

**1.**
**1.1.** INTERBOND 998PB RED ALUMINIUM PART A  
KRA598

**1.2.**
**1.3.**

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

**1.4.**

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

**2.**
**2.1.** .

**2.2.**

11 , 12

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[ ]:

[ ]:

[ ]:

**2.3.** .

**3.**

| /                                       | %     | GHS  |     |
|---|-------|--|-----|
| Epoxy resin (av.mol.wt.<700)<br>CAS No: | 30-40 | / 2;H319<br>/ 2;H315<br>1;H317<br>- 2;H411 | [1] |

|   |       |                                |        |
|---|-------|--------------------------------|--------|
| Barium Sulphate<br>CAS No: 0007727-43-7                             | 30-40 |                                | [1][2] |
| Neopentyl glycol diglycidyl ether<br>CAS No: 0017557-23-2           | 5-10  | / 2;H315<br>1;H317             | [1]    |
| Iron oxide<br>CAS No: 0001309-37-1                                  | 5-10  |                                | [1][2] |
| Aluminium, alkyls<br>CAS No: 0007429-90-5                           | 2.5-5 | Water<br>react. 2;H261<br>H250 | [1][2] |
| Alkyl(C12-C14)glycidyl ether<br>CAS No: 0068609-97-2                | 1-2.5 | / 2;H315<br>1;H317             | [1]    |
| Solvent naphtha (petroleum), light aromatic<br>CAS No: 0064742-95-6 | 1-2.5 | 1;H304                         | [1]    |
| 3-Glycidyloxypropyl-trimethoxysilane<br>CAS No: 0002530-83-8        | <1    | / 1;H318                       | [1]    |

- 1)
- 2) 가
- 3) PBT vPvB  
16 가 , 가

4.

4.1.

4.2. 가 /

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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> |
| Aluminium, alkyls | -       | -                 | -   | 2                 |
| Barium Sulphate   | -       | -                 | -   | 10                |
| Iron oxide        | -       | -                 | -   | 5                 |
| Talc              | -       | -                 | -   | 2                 |

(P) (Peak exposure limit)  
(R)  
(Sk)  
(Sen)  
(Cat 1)  
(Cat 2) 가  
(Cat 3)

**DNEL/PNEC**

8.2.

9.

pH

/ (°C)

(°C)

( = 1)

( , )

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: 7 ( Solvent naphtha (petroleum), light

aromatic )

(Pa)

0.00

n-

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(Log Kow)

9.2.

10.

10.1.

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11.

|   | LD50,<br>mg/kg | LD50,<br>mg/kg | LD50,<br>mg/L/4hr | / LD50,<br>mg/L/4hr |
|---|----------------|----------------|-------------------|---------------------|
| 3-Glycidyoxypropyl-trimethoxysilane - (2530-83-8) | 8,030.00,      | 4,248.00,      |                   | 5.30,               |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2)       |                |                |                   |                     |
| Aluminium, alkyls - (7429-90-5)                   |                |                |                   |                     |
| Barium Sulphate - (7727-43-7)                     | 3,000.00,      |                |                   |                     |
| Epoxy resin (av.mol.wt.<700) - ( )                | 2,000.00,      | 2,000.00,      |                   |                     |
| Iron oxide - (1309-37-1)                          | 10,000.00,     |                |                   |                     |
|   |                |                |                   |                     |

|  |           |           |  |  |
|--|-----------|-----------|--|--|
| Neopentyl glycol diglycidyl ether - (17557-23-2)           | 4,500.00, |           |  |  |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, | 3,400.00, |  |  |

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| (1 ) |  |  |
| ( )  |  |  |
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**12.**

**12.1.**

|  | 96 hr LC50 mg/l ,            | 49 hr EC50 mg/l ,     | ErC50 mg/l ,                             |
|--|------------------------------|-----------------------|--|
| Epoxy resin (av.mol.wt.<700) - ( )                         | 3.10, Pimephales promelas    | 1.40, Daphnia magna   |  |
| Barium Sulphate - (7727-43-7)                              | 59,000.00, Poecilia sphenops | 32.00, Daphnia magna  |  |
| Neopentyl glycol diglycidyl ether - (17557-23-2)           |                              |                       |  |
| Iron oxide - (1309-37-1)                                   |                              |                       |  |
| Aluminium, alkyls - (7429-90-5)                            | 0.12, Oncorhynchus mykiss    | 3.50, Daphnia magna   |  |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2)                |                              |                       |  |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss    | 6.14, Daphnia magna   | 19.00 (72 hr), Selenastrum capricornutum |
| 3-Glycidyoxypropyl-trimethoxysilane - (2530-83-8)          | 55.00, Cyprinus carpio       | 473.00, Daphnia magna | 255.00 (72 hr), Scenedesmus subspicatus  |

**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

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14.6.        가

가

14.7.

MARPOL73/78    Annex II    IBC Code

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15.

16.

SDS

H304

H315

H317

H319

H332

H335

H411

**SDS**



Akzo Nobel

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