

Safety Data Sheet
KRA598 INTERBOND 998PB RED ALUMINIUM PART A
Version Number 1 Revision Date 07/06/13
1. Product and company identification
1.1. Product identifier INTERBOND 998PB RED ALUMINIUM PART A

Product Code KRA598

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Refer Technical Data Sheet.

Application Method Refer Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

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

Telephone No. +65 6261 5033

Fax No. +65 6264 4612

1.4. Emergency telephone number +65 6261 5033

For Poisons Advice telephone For Advice to Doctors & Hospitals only

2. Hazard identification of the product
2.1. Classification of the substance or mixture
2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Prevention
Response
Storage
Disposal
2.3. Other hazards
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Workplace Safety and Health Act.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|----------|--|-------|
| Epoxy resin CAS Number: Not Available | 25-50 | Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411 | [1] |
| | | | |

| | | | |
|---|--------|--|--------|
| Barium Sulphate CAS Number: 0007727-43-7 | 25-50 | | [1][2] |
| Neopentyl glycol diglycidyl ether CAS Number: 0017557-23-2 | 2.5-10 | Skin Irrit. 2;H315 Skin Sens. 1;H317 | [1] |
| Iron oxide CAS Number: 0001309-37-1 | 2.5-10 | | [1][2] |
| Aluminium Paste CAS Number: 0007429-90-5 | 2.5-10 | Water react. 2;H261 Pyr. Sol. 1;H250 | [1][2] |
| Alkyl(C12-C14)glycidyl ether CAS Number: 0068609-97-2 | 1-2.5 | Skin Irrit. 2;H315 Skin Sens. 1;H317 | [1] |
| Solvent naphtha (petroleum), light aromatic CAS Number: 0064742-95-6 | 1-2.5 | Asp. Tox. 1;H304 | [1] |
| 3-Glycidyloxypropyl-trimethoxysilane CAS Number: 0002530-83-8 | <1 | Eye Dam. 1;H318 | [1] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

4.1. Description of first aid measures

General

Inhalation

Skin Contact

Eye Contact

Ingestion

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

7. Handling and storage

7.1. Precautions for safe handling

Handling

In Storage

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

8. Exposure controls and personal protection

8.1. Control parameters

From the listed Exposure Standards for Atmospheric Contaminants given in the Workplace Safety and Health(General Provisions) Regulations.

| Material | PEL (Short Term) | | PEL (Long Term) | | Comments |
|-------------------------|------------------|-------------------|-----------------|-------|----------|
| | ppm | mg/m ³ | ppm | mg/M3 | |
| Aluminium Paste | - | - | - | 2 | |
| Barium Sulphate | - | - | - | 10 | |
| Iron oxide | - | - | - | 5 | |
| Magnesium silicate talc | - | - | - | 2 | |

(P) Peak exposure limit

(R) Suppliers Recommended Limit

(Sk) There is a risk of absorption through unbroken skin

(Sen) Sensitiser

(Cat1) Category 1 - established human carcinogen

(Cat2) Category 2 - probable human carcinogen

(Cat3) Category 3 - substances suspected of having carcinogenic potential

DNEL/PNEC values

8.2. Exposure controls

Eye Protection

Skin Protection

Other

Respiratory Protection

Thermal hazards

9. Physical and chemical properties

Colour

Odour

Odour threshold

pH

Melting point / freezing point (°C)

Initial boiling point and boiling range (°C)

Flash Point (C)

Evaporation rate (Ether = 1)

Flammability (solid, gas)**Upper/lower flammability or explosive limits**

Lower Explosive Limit: No data available
 Upper Explosive Limit: 7 (Solvent naphtha (petroleum), light aromatic)

Vapour pressure (Pa)**Vapour Density****Specific Gravity**

0.00

Solubility in Water**Partition coefficient n-octanol/water (Log Kow)****Autoignition Temperature (C)****Decomposition temperature****Viscosity (cSt)****9.2. Other information**

No further information

10. Stability and reactivity**10.1. Reactivity****10.2. Chemical stability****10.3. Possibility of hazardous reactions****10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products****11. Toxicological information****Acute toxicity**

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapour LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|--|------------------|------------------|----------------------------------|-------------------------------------|
| 3-Glycidyoxypropyl-trimethoxysilane - (2530-83-8) | 8,030.00, Rat | 4,248.00, Rabbit | Not Available | 5.30, Rat |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2) | Not Available | Not Available | Not Available | Not Available |
| Aluminium Paste - (7429-90-5) | Not Available | Not Available | Not Available | Not Available |
| Barium Sulphate - (7727-43-7) | 3,000.00, Mouse | Not Available | Not Available | Not Available |
| Epoxy resin - (Not Available) | 2,000.00, Rat | 2,000.00, Rabbit | Not Available | Not Available |
| Iron oxide - (1309-37-1) | 10,000.00, Rat | Not Available | Not Available | Not Available |
| Neopentyl glycol diglycidyl ether - (17557-23-2) | 4,500.00, Rat | Not Available | Not Available | Not Available |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, Rat | 3,400.00, Rabbit | Not Available | Not Available |

| Item | Category | Hazard |
|-----------------------------|----------------|----------------|
| Acute Toxicity (mouth) | Not Classified | Not Applicable |
| Acute Toxicity (skin) | Not Classified | Not Applicable |
| Acute Toxicity (inhalation) | Not Classified | Not Applicable |

| | | |
|---|----------------|----------------|
| Skin corrosion/irritation | Not Classified | Not Applicable |
| Eye damage/irritation | Not Classified | Not Applicable |
| Sensitization (respiratory) | Not Classified | Not Applicable |
| Sensitization (skin) | Not Classified | Not Applicable |
| Germ toxicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive Toxicity | Not Classified | Not Applicable |
| Specific target organ systemic toxicity (single exposure) | Not Classified | Not Applicable |
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|------------------------------|----------------------------|--|
| Epoxy resin - (Not Available) | 3.10, Pimephales promelas | 1.40, Daphnia magna | Not Available |
| Barium Sulphate - (7727-43-7) | 59,000.00, Poecilia sphenops | 32.00, Daphnia magna | Not Available |
| Neopentyl glycol diglycidyl ether - (17557-23-2) | Not Available | Not Available | Not Available |
| Iron oxide - (1309-37-1) | Not Available | Not Available | Not Available |
| Aluminium Paste - (7429-90-5) | 0.12, Oncorhynchus mykiss | 3.50, Daphnia magna | Not Available |
| Alkyl(C12-C14)glycidyl ether - (68609-97-2) | Not Available | Not Available | Not Available |
| 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. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

14. Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Road and Rail Transport

IMDG **Class/Div** **Sub Class**
reference :

Ems

ICAO/IATA **Class** **Sub Class**

14.4. Packing group

14.5. Environmental hazards

**Road and Rail Environmentally Hazardous:
Transport**

IMDG **Marine Pollutant:**
reference :

14.6. Special precautions for user

No further information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

The product complies with these local regulations.

16. Other information

The information on this SDS is based upon the present state of our knowledge and on current laws. The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice. It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

End of document



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.