



**SAFETY DATA SHEET**  
**KON V4C part A**

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, February 2016

**SECTION 1: Identification: Product identifier and chemical identity**

**Product identifier**

**Product name**                      KON V4C part A

**Relevant identified uses of the substance or mixture and uses advised against**

**Application**                              Resin.

**Details of the supplier of the safety data sheet**

**Supplier**                                      **Konnect Fastening Systems**  
235 Settlement Road  
Thomastown  
Victoria, 3074 Australia  
Ph: 1800 566 632

**Web**    www.konnectfasteningsystems.com.au

**Contact Person**                              quality@cgl.com.au

**Emergency telephone number**    **AU:** 1800 033 111    **NZ:** 0800 734 607  
**INT:** +61 (0) 3 9663 2130  
emergency.response.service@ixom.com

**SECTION 2: Hazard(s) identification**

**Classification of the substance or mixture**

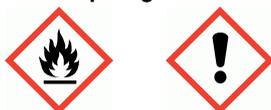
**Physical hazards**                              Flam. Liq. 3 - H226

**Health hazards**                                Eye Irrit. 2A - H319 Skin Sens. 1 - H317

**Environmental hazards**                      Aquatic Chronic 3 - H412

**Label elements**

**Hazard pictograms**



**Signal word**                                      WARNING

**Hazard statements**                              H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

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|                                 |   |
|---------------------------------|---|
| <b>Precautionary statements</b> | <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |
|---------------------------------|---|

**Contains** 2-HYDROXYPROPYL METHACRYLATE

### SECTION 3: Composition and information on ingredients

#### Mixtures

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>2-HYDROXYPROPYL METHACRYLATE</b> | <b>5-10%</b>            |
| CAS number: 27813-02-1              |                         |
| <b>Classification</b>               |                         |
| Eye Irrit. 2A - H319                |                         |
| Skin Sens. 1 - H317                 |                         |
| <b>VINYL TOLUENE</b>                | <b>5-10%</b>            |
| CAS number: 25013-15-4              |                         |
| <b>Classification</b>               |                         |
| Flam. Liq. 3 - H226                 |                         |
| Acute Tox. 4 - H332                 |                         |
| Skin Irrit. 2 - H315                |                         |
| Eye Irrit. 2A - H319                |                         |
| Asp. Tox. 1 - H304                  |                         |
| Aquatic Chronic 2 - H411            |                         |
| <b>TITANIUM DIOXIDE</b>             | <b>&gt;0.5 &lt;1.0%</b> |
| CAS number: 13463-67-7              |                         |
| <b>Classification</b>               |                         |
| Not Classified                      |                         |

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move affected person to fresh air at once. Get medical attention if any discomfort continues.   |
| <b>Ingestion</b>    | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.  |
| <b>Skin Contact</b> | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.   |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel. |

#### Most important symptoms and effects, both acute and delayed

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|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause respiratory irritation.        |
| <b>Ingestion</b>    | May cause discomfort if swallowed.       |
| <b>Skin contact</b> | May cause skin irritation/eczema.        |
| <b>Eye contact</b>  | Irritation of eyes and mucous membranes. |

### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

### **SECTION 5: Firefighting measures**

#### Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

#### Special hazards arising from the substance or mixture

**Specific hazards** No specific firefighting precautions applicable when small quantities are involved in the fire.

**Hazardous combustion products** Oxides of carbon.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**Hazchem Code** •3Y

### **SECTION 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### Environmental precautions

**Environmental precautions** Avoid release to the environment.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

#### Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

### **SECTION 7: Handling and storage, including how the chemical may be safely used**

#### Precautions for safe handling

**Usage precautions** Do not use in confined spaces without adequate ventilation and/or respirator.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry and cool place.

**Storage class** Chemical storage.

#### Specific end use(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### SECTION 8: Exposure controls and personal protection

#### Control parameters

#### Occupational exposure limits

##### VINYL TOLUENE

Long-term exposure limit (8-hour TWA): 50 ppm 242 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 100 ppm 483 mg/m<sup>3</sup>

##### TITANIUM DIOXIDE

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup>

#### Exposure controls

#### Protective equipment



#### **Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### **Eye/face protection**

The following protection should be worn: Chemical splash goggles.

#### **Hand protection**

It is recommended that chemical-resistant, impervious gloves are worn.

#### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

#### **Hygiene measures**

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### **Respiratory protection**

No specific recommendations.

#### **Environmental exposure controls**

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

|  |                 |
|--|-----------------|
| <b>Appearance</b>                      | Liquid.         |
| <b>Colour</b>                          | Beige.          |
| <b>Odour</b>                           | Aromatic.       |
| <b>Odour threshold</b>                 | Not determined. |
| <b>pH</b>                              | Not applicable. |
| <b>Melting point</b>                   | Not determined. |
| <b>Initial boiling point and range</b> | >165°C @        |
| <b>Flash point</b>                     | 53°C            |
| <b>Evaporation rate</b>                | Not determined. |
| <b>Evaporation factor</b>              | Not determined. |
| <b>Flammability (solid, gas)</b>       | Not determined. |

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|                                      |   |
|--------------------------------------|---|
| <b>Flammability Limit - Lower(%)</b> | Not determined.   |
| <b>Other flammability</b>            | Not determined.   |
| <b>Vapour pressure</b>               | 6 hPa @ 20°C  |
| <b>Vapour density</b>                | Not determined.   |
| <b>Relative density</b>              | 1.65 - 1.75 @ 20°C  |
| <b>Bulk density</b>                  | Not applicable.   |
| <b>Solubility(ies)</b>               | Insoluble in water.   |
| <b>Partition coefficient</b>         | Not determined.   |
| <b>Auto-ignition temperature</b>     | Not determined.   |
| <b>Decomposition Temperature</b>     | Not determined.   |
| <b>Viscosity</b>                     | > 60 S ISO2431  |
| <b>Explosive properties</b>          | No information available.                                   |
| <b>Oxidising properties</b>          | Does not meet the criteria for classification as oxidising. |

### SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The following materials may react with the product: Organic peroxides/hydroperoxides. |
| <b>Stability</b>                          | Stable at normal ambient temperatures.  |
| <b>Possibility of hazardous reactions</b> | Does not decompose when used and stored as recommended.                               |
| <b>Conditions to avoid</b>                | Avoid excessive heat for prolonged periods of time.                                   |
| <b>Materials to avoid</b>                 | Organic peroxides/hydroperoxides.   |
| <b>Hazardous decomposition products</b>   | Oxides of carbon.   |

### SECTION 11: Toxicological information

#### Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 159.52

#### Skin sensitisation

**Skin sensitisation** Sensitising.

|   |  |
|---|--|
| <b>Inhalation</b>                       | Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. |
| <b>Ingestion</b>                        | May cause discomfort if swallowed.   |
| <b>Skin Contact</b>                     | May cause sensitisation by skin contact. May cause irritation.   |
| <b>Eye contact</b>                      | Irritating to eyes.  |
| <b>Acute and chronic health hazards</b> | Irritating to eyes. May cause sensitisation by skin contact.   |

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|                               |   |
|-------------------------------|---|
| <b>Route of exposure</b>      | Skin and/or eye contact                                   |
| <b>Medical Symptoms</b>       | Irritation of eyes and mucous membranes. Skin irritation. |
| <b>Medical considerations</b> | Skin disorders and allergies.                             |

Toxicological information on ingredients.2-HYDROXYPROPYL METHACRYLATEAcute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 11,200.0

Species Rat

ATE oral (mg/kg) 11,200.0

VINYL TOLUENEAcute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,255.0

Species Rat

ATE oral (mg/kg) 2,255.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg) 4,500.0

Species Rat

ATE dermal (mg/kg) 4,500.0

Acute toxicity - inhalation

ATE inhalation (vapours  
mg/l) 11.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

TITANIUM DIOXIDEAcute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 5,000.0

Species Rat

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

**SECTION 12: Ecological information**Ecological information on ingredients.VINYL TOLUENEAcute aquatic toxicity

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|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: 1.3 mg/l, Daphnia magna             |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: 2.6 mg/l, Selenastrum capricornutum |

**TITANIUM DIOXIDE****Acute aquatic toxicity**

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe)<br>REACH dossier information           |
| <b>Acute toxicity - aquatic invertebrates</b> | NOEC, > 48 hours: 3 mg/l, Daphnia magna<br>REACH dossier information                   |
| <b>Acute toxicity - microorganisms</b>        | EC <sub>50</sub> , > 3 hours: 1000 mg/l, Activated sludge<br>REACH dossier information |

**Bioaccumulative potential**

**Bioaccumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

**Ecological information on ingredients.****2-HYDROXYPROPYL METHACRYLATE**

**Partition coefficient** log Kow: 0.93

**VINYL TOLUENE**

**Partition coefficient** log Pow: 3.36

**Mobility in soil**

**Mobility** Not applicable.

**Other adverse effects**

**Other adverse effects** Not applicable.

**SECTION 13: Disposal considerations****Waste treatment methods**

**General information** Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**SECTION 14: Transport information****UN number**

**UN No. (ADG)** 1866

**UN No. (IMDG)** 1866

**UN No. (ICAO)** 1866

**UN proper shipping name**

**Proper shipping name (ADG)** RESIN SOLUTION

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**Proper shipping name (IMDG)** RESIN SOLUTION

**Proper shipping name (ICAO)** RESIN SOLUTION

**Transport hazard class(es)**

**ADG class** 3

**ADG classification code** F1

**ADG label** 3

**IMDG class** 3

**ICAO class/division** 3

**Transport labels**



**Packing group**

**ADG packing group** III

**IMDG packing group** III

**ICAO packing group** III

**Environmental hazards**

**Environmentally hazardous substance/marine pollutant**  
No.

**Special precautions for user**

**EmS** F-E, S-E

**Hazchem Code** •3Y

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Guidance** Workplace Exposure Limits EH40.

**SECTION 16: Any other relevant information**

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 8/05/2018

**Version number** 2.000

**SDS No.** 20774

## KON V4C part A

### Hazard statements in full

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.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.