

# Material Safety Data Sheet (MSDS)

## PROBOND E-317 Adhesive

Issue date: May 2014

### 1. Identification of the Product and the Company

**Product Name:** PROBOND E-317 Adhesive  
**Product Type and Use:** Adhesive  
**Supplier:** Glue Guru Limited  
18 Kaimahi Road, Wairau Valley, Auckland  
Phone (09) 444-4878 Fax (09) 442-5975  
info@glueguru.co.nz  
**Emergency Contact:** 0800 CHEMCALL  
0800 243 622  
Hazardous Substance EMERGENCY  
24 hour – 365 day service

### 2. Hazards Identification

No specific hazards are encountered under normal product use.

NON HAZARDOUS SUBSTANCE

NON DANGEROUS GOODS

Hazard classification in accordance with the criteria of HSNO

### 3. Composition and Information on Ingredients

| <u>Chemical Entity</u>                          | <u>CAS No.</u> | <u>Proportion</u> |
|---|----------------|-------------------|
| Vinyl acetate<br>Comopolymer                    | 24937-78-8     | 20 – 35%          |
| Vinyl Acetate                                   | 108-05-4       | 0 – 1%            |
| Cyclic halogenated<br>Biocide                   | Proprietary    | 0 – 0.1%          |
| Ethyl Acetate                                   | 141-78-6       | 0 – 1.9%          |
| Boric Acid                                      | 10043-35-3     | <0.4%             |
| Other ingredient determined not to be hazardous |                |                   |

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### 4. First Aid Measures

**Swallowed:** Do not induce vomiting. Give 1 - 2 glasses of water and seek medical advice. If the person does vomit, maintain a clear airway and apply First Aid as required.

**Eye:** Flush with water for fifteen minutes. It is advisable to obtain Medical Advice concerning any eye injury.

**Skin:** Wash with soap and water.

**Inhaled:** Not an inhalation hazard in the form supplied, however if affected, by inhalation of mist, liquid or aerosol etc. remove the person to fresh air. If breathing stops, apply artificial respiration and other first aid techniques as required and obtain immediate medical assistance.

**Advice to Doctor:** - Avoid aspiration risks if vomiting is induced. The polymeric substance will form films on drying.

No Other Information Noted in This Section.

### 5. Fire Fighting Measures

The product is non-flammable and does not in itself represent a fire or explosion hazard. However, excessively heated sealed drums may rupture.

Dangerous Decomposition Products: Carbon monoxide, carbon dioxide and other unidentified thermal decomposition products.

Fire fighting recommendations: Use water, water fog, CO2 or dry chemicals.

### 6. Accidental Release Measures

Wear rubber gloves/goggles to avoid splashes. Cover with absorbent material for spills and leaks.

Scrape up and place into suitable containers for disposal. Dispose of as per relevant Local State or Federal Regulations. Empty containers may contain product residue. Follow safety procedures until container has been cleaned.

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### 7. Handling and storage

Store on a wooden pallet. Store between 5 - 30 deg C. Do not allow adhesive to freeze.  
DANGEROUS GOODS CLASS/SUBSIDIARY RISK: None allocated

### 8. Exposure Controls & Personal Protection

**Exposure:** This material may contain a small amount of residual monomer, generally a maximum of 0.5%. The exposure limits as set by NOHSC Australia, for the residual monomers, as listed in the "National Exposure Standards [NOHSC:3008 (1995)]." are as follows:

| Substance     | TWA |                   | STEL |                   |
|---------------|-----|-------------------|------|-------------------|
|               | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Ethyl Acetate | 400 |                   |      |                   |
| Vinyl acetate | 10  | 35                | 20   | 70                |

**Ventilation:** - Ensure adequate ventilation, sufficient to maintain exposures within published limits as noted above. Forced ventilation is not normally required.

#### Personal Protection:

**Respiratory type:** Where ventilation is not adequate, respiratory protection may be required. An approved Vapour Mask (AS1716) if exposed to mist or vapours.

**Glove Type:** Impervious gloves should be worn to prevent skin contact. Consult Industrial glove supplier for a suitable glove.

**Eye:** Goggles or Face shield to avoid splashes.

**Clothing:** Sufficient to avoid skin contact

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### 9. Physical and Chemical Properties

|                                      |                            |
|--------------------------------------|----------------------------|
| Appearance:                          | <b>Fluid white product</b> |
| Flash Point                          | not applicable             |
| Boiling Point: -                     | approx. 100C               |
| Flammability Limits: -               | not applicable             |
| Vapour Pressure                      |                            |
| @ 760 mm Hg @ 25 deg C: -            | Not Known                  |
| Solubility in water:                 | Soluble in water (20°C)    |
| Specific Gravity:                    | <b>1.06</b>                |
| Evaporation Rate (Butyl Acetate= 1): | Not Determined             |
| Other Data: -                        | None Noted                 |
| Major recommended usage:             | <b>Emulsion adhesive</b>   |
| Method of Application:               | <b>Mechanical</b>          |

### 10. Stability and Reactivity

Stable under recommended conditions of storage

#### Incompatible Materials:

Strong acids and oxidizing agents.

#### Hazardous decomposition products:

Carbon monoxide, carbon dioxide, oxides of nitrogen, fumes and smoke.

#### Hazardous Polymerization:

Will not occur.

### 11. Toxicological Information

#### Toxicology Information:

No data available for this product.

#### Inhalation:

Excessive exposure to vapours or spray mists may cause irritation to eyes, nose and throat.

#### Ingestion:

No data supplied, but polymer is not expected to be harmful.

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### Skin:

Skin contact may cause irritation.

### Eye:

May be an eye irritant.

### Chronic Effects:

No data supplied, but polymer is not expected to be harmful. Vinyl acetate is classified as 'possibly carcinogenic to humans' by the International Agency for Research on Cancer (IARC). Detailed toxicological information is available on request.

### Carcinogenicity:

Vinyl acetate is classified as 'possibly carcinogenic to humans' by the International Agency for Research on Cancer (IARC). An inhalation study using laboratory animals exposed to high concentrations of Vinyl Acetate for 6 hours per day, 5 days per week over a two-year period has resulted in the development of nasal tumours. Some of the tumours were shown to be carcinomas.

However, at this time there is not sufficient evidence to indicate that vinyl acetate may cause cancer in humans. There should be minimal risk when used with ventilation adequate to maintain atmospheric concentrations of vinyl acetate below the recommended exposure limit. Detailed toxicological information is available on request.

## 12. Ecological Information

**Environmental Information:** no data available for this product. Waste Material should be collected and disposed of according to the relevant Local/State or Federal Regulations.

## 13. Disposal

Refer to Land Waste Management Authority.

## 14. Transport Information

Not Classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Poisons Schedule: Not Scheduled

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### 15. Regulatory Information

U.N. NO.: - None Allocated

Dangerous Goods Class: - None Allocated

Poison Schedule: None Allocated

Risk Phrases: None Allocated

Safety Phrases: None Allocated

### 16. Other Information

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes