

Trade name: **VICUBOND®**

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## 1. Identification of the product and of the company

**Product name:** Vicubond®  
**Intended Product use:** Special adhesive for use in sphere of fire protection and in high temperature technology. Normally used as assembly aid.  
**Company**  
Comp : Promat International (Asia Pacific) Ltd.  
Address : Unit 19-02-01, Level 2, PNB Damansara,  
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50490 Kuala Lumpur, Malaysia.  
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E-mail address: info@promat-ap.com

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## 2. Composition / Information on ingredients

**Description:** Pastry adhesive for universal applications in preventive fire protection and in technical high temperature insulation.  
**Chemical characterisation** This product is a manufactured article, not a substance nor a preparation.  
It is a water soluble silicate solution with inorganic fillers.

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## 3. Hazard Identification

**Indication of the hazards:** No hazards known.  
When machining (drilling, cutting, sanding, etc.) the product: airborne dust may be released.  
- Excessive inhalation may cause irritation of the airways.  
- Eye contact with dust may lead to transient eye irritation or inflammation.  
- Prolonged skin contact may lead to skin irritation.  
- Long term hazards: see section 11  
**Specific risk information for humans and environment:** see section 7 and 8

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## 4. First aid measures

**Inhalation:** Leave exposure area immediately, remove to fresh air  
**Ingestion:** Wash mouth out with water and give copious quantities of water. Do not induce vomiting. Obtain medical attention if symptoms develop.  
**Skin contact:** Remove contaminated clothing. Rinse the skin thoroughly with water until no 'soapy' feeling remains. Obtain medical attention if necessary  
**Eye contact:** The eye should be fully irrigated for not less than 30 minutes with clean water. Must seek medical advice.

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Trade name: **VICUBOND®****5. Fire fighting measures**

**Additional Information:** The product is non-flammable, Building Material Class A1 in accordance with DIN 4102.

**6. Accidental spill / release measures**

**Methods for cleaning up:** Shovel up small pieces. Dampen down any dust before putting into open skips

**7. Handling and storage**

**Handling:** Instructions for handling and machining

- Dust, generated during machining and processing must be exhausted and the regulatory occupational exposure limits for total and respirable dust must be respected.
- Work in a well ventilated area.
- Use tools with appropriate dust exhaust equipment.
- When total dust concentration is higher than occupational exposure limits (refer to local regulations), or when dust extraction is not available, use individual respiratory protective equipment.
- Collect dust with a vacuum cleaner or soak with water before sweeping up.

**Storage:** Store in dry, covered and frost proof area.

**8. Exposure controls / Personal protection**

When machining (drilling, cutting, sanding, etc.) boards, respect Occupational Exposure Limits for inhalable and respirable dust and for respirable quartz dust.

Check the latest Occupational Exposure Limits (OEL) for airborne contaminants that are applicable in your country.

Typical Occupational Exposure Limits (8hrs TWA) on the date of issue of this document are:

In mg/m <sup>3</sup>	Fraction	COUNTRY (3)					
		AUS	CHN	HK	INDIA	MY	SG
Particles NOR (1)	Inhalable	10		10		10	10
	Respirable		4	4			5
Quartz (2)	Respirable	0.2	0.5	0.1		0.1	0.1

(1) Particles NOR: particles not otherwise classified or regulated (nuisance dust). Applies for all other components in the product.

(2) Quartz – CAS number: 14808 - 60 - 7

(3) Country abbreviations on basis of IANA (Internet Assigned Numbers Authority)

Trade name: **VICUBOND®**

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<b>Engineering controls:</b>	Ensure vacuum dust exhaust with correct filter when using motorised machining tools.
<b>Personal protection:</b>	Avoid breathing dusts. Avoid eye and skin contact. Wear personal protective equipment appropriate to the task. (See below)
- <b>Respiratory protection:</b>	Use approved individual respirators (e.g. disposable P2 types) whenever occupational exposure levels are or can be foreseen to be exceeded.
- <b>Eye protection:</b>	Use safety glasses whenever tools are used and dusts are produced.
- <b>Skin protection:</b>	Use working clothes and gloves to protect against mechanical injury and direct skin contact.

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## 9. Physical and chemical properties

**Appearance:** Paste-like adhesive compound.  
**Colour:** brownish                      **Odour:** None

**Important safety parameters:**

<b>Boiling point / boiling range:</b>	N.A.
<b>Melting point / melting range:</b>	N.A.
<b>Flash point:</b>	N.A.
<b>Flammability (solid, gaz):</b>	N.A.
<b>Flammability temperature:</b>	N.A.
<b>Auto-flammability:</b>	N.A.
<b>Explosive properties (danger and limits):</b>	N.A.
<b>Oxidizing properties:</b>	N.A.
<b>Vapour pressure:</b>	N.A.
<b>Relative density:</b>	ca. 1900kg/m <sup>3</sup>
<b>Solubility:</b>	
- <b>water solubility:</b>	Soluble
- <b>fat solubility:</b>	N.A.
<b>pH value:</b>	11.5
<b>Partition coefficient (n-octanol/water):</b>	N.A.
<b>Viscosity:</b>	N.A.

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**10. Stability and reactivity**                      Nothing to report

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## 11. Toxicological information

**Acute toxicity:** This water based compound is not expected to have significant acute toxicity. Apart from mild skin, throat, airway or eye irritation, workers producing these boards have reported no significant health complaints.

- As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the airways.
- Eye contact with dust may lead to transient eye irritation or inflammation.
- Prolonged skin contact may lead to skin irritation.

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**Further information:** Inhalation of excessive concentrations of quartz-containing dust can be hazardous for health. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8)

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**12. Ecological information** Nothing to report.

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### 13. Disposal considerations

**Product disposal:** Handle as construction industry waste and dispose in accordance with local legislation.  
**Packaging disposal:** Dispose according to local legislation.

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### 14. Transport information

**Road transport:** Product is not classified as dangerous.  
**Inland shipping transport:** Product is not classified as dangerous.  
**Sea shipping transport:** Product is not classified as dangerous.  
**Air transport:** Product is not classified as dangerous.

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### 15. Regulatory information

**Labelling according to EEC – Directives:**  
The Product is a manufactured article, not a substance nor a preparation. Therefore the EU Directive on classification and labelling 67/548EEC is not applicable.

**Danger indication:** not applicable      Symbol: not applicable  
R – sentence: not applicable  
S – sentence: not applicable

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### 16. Other information

The recommendations for use of Vicubond®, have to be followed as indicated in the Promat Handbook.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advice should be obtained.

This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.