

MATERIAL SAFETY DATA SHEET FOR: RAKOLL<sup>®</sup> BAZ 3000

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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<u>SUPPLIER</u>	Company: H. B. Fuller Company Address: 16-20 Red Gum Drive Dandenong South VIC 3175 Telephone: (03) 9797 6222 Emergency Telephone No: 1800 033 111
<u>PRODUCT</u>	<b>Product Name:</b> Rakoll <sup>®</sup> BAZ 3000 <b>Other Names:</b> Hot melt adhesive. <b>Manufacturer's Code:</b> None
<u>USE</u>	Hot melt adhesive for use with decorative laminate edge strips. The adhesive is applied in an industrial environment with purpose built plant or machinery.

**2. HAZARDS IDENTIFICATION**

<u>HAZARD CLASSIFICATION</u>	<b>NOHSC Classification:</b> Non-Hazardous Substance <b>ADG Classification:</b> Non-Dangerous Goods <b>SUSDP Classification:</b> Not Scheduled
<u>RISK PHRASES</u>	None.
<u>SAFETY PHRASES</u>	None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>MIXTURE</u>	CHEMICAL ENTITY	CAS No	PROPORTION
	Ethyl vinyl acetate copolymer	Not available	30 - < 60%
	Limestone	1317-65-3	30 - <60%
	Petroleum hydrocarbon resin	68131-77-1	10 - <30%
	Other ingredients determined not to be hazardous	Not applicable	< 10%

**4. FIRST AID MEASURES**

<u>FIRST AID</u>	<b>Swallowed:</b> Do NOT induce vomiting. Rinse mouth thoroughly with water. If alert and conscious give two glasses of water or milk to drink. Seek medical advice promptly.  <b>Eyes:</b> If contact with solid product occurs, irrigate eye with copious amounts of water to remove adhesive particles. If contact with the molten material occurs, irrigate with copious amounts of water and <b>SEEK IMMEDIATE MEDICAL ATTENTION.</b>
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**Skin:** Wash affected area with plenty of soap and water if contact with the solid form occurs. If contact with molten material occurs, immerse contact area in cold, clean water immediately. Do not attempt to remove set product. Cover contact area with wet compresses and take casualty to a doctor immediately.

**Inhaled:** Remove victim to fresh air. Seek medical advice if adverse symptoms, such as coughing, breathing difficulties or burning sensations in the respiratory tract develop.

**First Aid Facilities:** Burn creme, bandages, eyewash station, emergency showers and washroom facilities in the vicinity where exposure may occur..

ADVICE TO DOCTOR

No specific antidote. Provide supportive care. Treatment based on judgement of the doctor in response to reactions of the patient.

**5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA

Use alcohol resistant foam, dry chemical powder or carbon dioxide. Avoid using water on molten material as it may cause splattering and spreading of the fire.

HAZARDOUS COMBUSTION PRODUCTS

Oxides of carbon, flammable vapours, noxious gases and volatile polymer fractions.

PRECAUTIONS FOR FIRE FIGHTERS

Fight fire from a safe distance. Fire may produce dense smoke and flammable vapours under certain conditions. Wear full protective equipment including a self-contained breathing apparatus. Avoid using water on molten material to reduce splattering and spreading of the fire. Prevent fire-fighting medium from entering drains or waterways.

**6. ACCIDENTAL RELEASE MEASURES**

EMERGENCY PROCEDURES

Isolate hazard area, increase ventilation and restrict access. Remove all sources of ignition. If the molten substance is spilled, contain the spill and allow it to cool.

CLEAN UP PROCEDURE

**Solid Material:** Sweep or vacuum up adhesive pellets that may have spilled and place them in an appropriate container. Clearly label the container to ensure proper disposal as non-hazardous industrial waste.



**Molten Material:** Wear appropriate personal protection equipment (See Section 8) and contain spill. Allow preparation to cool then cut the spill into slabs that are easily handled and collect them. Clearly label all containers.

**7. HANDLING AND STORAGE**

PRECAUTION FOR SAFE HANDLING Practice sound industrial hygiene. Avoid contact with material and inhaling of vapours emanating from the molten material. Use only in a well ventilated area. Wash skin thoroughly after handling. Guard against static build-up.

STORAGE Store in a cool, dry, well ventilated place. Avoid exposure to direct sunlight or sources of heat. Store away from incompatible materials (see Section 10). Protect against physical damage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

This mixture has not been assigned an Australian exposure standard by NOHSC. However this mixture does contain trace amounts of vinyl acetate monomer (CAS 108-05-4), which does have an exposure standard assigned by NOHSC as shown below:

Exposure standards [NOHSC:1003(1995)]	TWA	STEL
Vinyl acetate monomer	10 ppm	20 ppm

BIOLOGICAL LIMIT VALUES Not applicable

ENGINEERING CONTROLS The solid material requires only good natural ventilation. The molten material needs good general flameproof mechanical dilution ventilation reinforced with flameproof extraction ventilation at the source of vapour, gas or fume emanation. Ensure that ventilation is sufficient to maintain exposure levels as low as practicable.

PERSONAL PROTECTION EQUIPMENT Use personal protective equipment that minimizes skin and eye contact with the solid substance, and vapour, fume or gas inhalation emanating from the molten substance. The type of protective equipment to be used depends largely the volume and the manner in which the substance is used. To ensure proper protection for any given situation, seek guidance from the following sources: protective clothing – AS 2919; gloves – AS 2161; eye protection – AS 1337;

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respiratory protection – AS 1715; feet protection – AS 2210. The suitability of each PPE for use with this substance should then be ascertained with the respective PPE suppliers.

Under condition of adequate ventilation and ordinary use, only nitrile rubber gloves are needed when handling the solid preparation. When using the molten preparation, wear safety glasses with side shields, thick, long sleeved nitrile rubber gloves, long sleeved overalls and work boots. If working in confined spaces, or if vapours, fumes or gases are generated and their airborne concentration is unknown wear, in the addition to the above, a full-face AS/NZ 1716 compliant cartridge type respirator with an organic vapour filter (For selection guidance see AS 1715). In the presence of fumes, a particulate filter should be fitted in conjunction with the organic filter. If the respirator is the sole means of respiratory protection, use a full-face air supplied respirator.

**9. PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL  
DESCRIPTION &  
PROPERTIES

**Appearance:** Beige pellets  
**Odour:** Mild characteristic  
**pH:** Not applicable  
**Vapour Pressure:** Not available  
**Vapour Density:** Not available  
**Boiling Point:** Not established  
**Softening Point:** ca. 105°C  
**Solubility in Water:** Insoluble  
**Specific Gravity:** ca.1.18  
**Flashpoint:** > 250°C  
**Explosive Limits (%v/v):** LEL Not applicable; UEL: Not applicable  
**Ignition Temperature:** Not established  
**VOC content (Californian South coast air quality –  
- management rule 1168:** 0 (Zero) g / l

OTHER  
PROPERTIES

No relevant data

**10. STABILITY AND REACTIVITY**CHEMICAL  
STABILITY

This material is stable under normal ambient and anticipated storage and handling conditions.

CONDITIONS

Temperatures in excess of the recommended processing temperatures.



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<u>TO AVOID</u>	Prolonged storage in the molten form.
<u>INCOMPATIBLE MATERIALS</u>	Strong oxidising agents.
<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	Oxides of carbon. Flammable hydrocarbons. Other hazardous gases and vapours of unknown composition.
<u>HAZARDOUS REACTIONS</u>	Hazardous polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

Little information is available for this particular mixture. The toxicological information given below is based on analogous data of similar preparations.

ACUTE HEALTH EFFECTS                      **Swallowed:** Not hazardous in normal industrial use. Ingestion of small amounts of solid material is not expected to cause harm. Ingestion of molten material will cause thermal burns.

**Eyes:** No health effects due to the solid material. When molten, vapours and fumes may cause irritation. When molten direct contact will cause thermal burns.

**Skin:** No known effects due to the solid material. Direct contact will cause thermal burns if the material is in its molten state.

**Inhaled:** No known effects due to the solid material. When molten, vapours and fumes may cause irritation of the nose, throat and respiratory tract, headaches, nausea and vomiting.

CHRONIC HEALTH EFFECTS                      No chronic effects are anticipated. Vinyl acetate monomer is classified as a Group 2B carcinogen by IARC (i.e. "The agent is possibly carcinogenic to humans"). None of the components of this mixture has been listed as a sensitizer, mutagen or teratogen.

**12. ECOLOGICAL INFORMATION**

The ecological effect of the mixture as a whole has not been tested. Given that all components are locked in a polymeric matrix the ecological effects of the pure components cannot be reasonably extrapolated and hence no valid ecological data for this mixture can be given.

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**13. DISPOSAL CONSIDERATIONS**

This product is a prescribed waste and may only be disposed of in accordance with applicable State and local regulations. These regulations vary from jurisdiction to jurisdiction and hence the user is counselled to seek advice from the local authority and classify the waste before considering disposal. The disposal information given below is a general guide and does not replace the requirement of the local regulations.

DISPOSAL                      If possible recycle, otherwise dispose strictly in accordance with local industrial waste or environmental protection regulations. This substance may, if permitted by local authorities, be disposed of in an approved incineration facility or as landfill.

SPECIAL PRECAUTIONS                      Do not allow this material to contaminate, soil, sewerage systems, surface or ground water.

When large amounts of this product need to be disposed of the services of a registered, professional waste disposal organisation is highly recommended.

**14. TRANSPORT INFORMATION**

This product has not been classified as Dangerous Goods. It is not subject to the ADG regulations.

<b>UN Number:</b> Not applicable	<b>Proper Shipping Name:</b> None listed
<b>ADG Class:</b> Not applicable	<b>ADG Subsidiary Risk:</b> Not applicable
<b>ADG Packaging Group:</b> Not applicable	<b>Hazchem Code:</b> Not applicable
<b>IMDG/IMO Code:</b> Not listed	<b>ICAO/IATA Code:</b> Not listed

**15. REGULATORY INFORMATION**

AICS                      All components of this mixture are listed in AICS

SUSDP                      Not a Scheduled poison

**16. OTHER INFORMATION**

MSDS                      **Issue Number:** 04  
**Date of Issue:** October 2012  
**Replaces Issue:** October 2011

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**Changes made to the previous issue:** VOC date updated

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ACRONYMS    **ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail  
**AICS:** Australian Inventory of Chemical Substances.  
**CAS Number:** Chemical Abstracts Service Registry Number  
**CNS:** Central nervous system  
**DG:** Dangerous Goods  
**Hazchem Code:** An emergency action code of numbers and letters, which gives information to emergency services.  
**IARC:** International Agency for Research on Cancer.  
**N.O.S.:** Not otherwise specified.  
**NOHSC:** National Health and Safety Commission.  
**PPE:** Personal protection equipment.  
**R-Phrases:** Risk Phrases.  
**S-Phrases:** Safety Phrases.  
**SUSDP:** Standard for the Uniform Scheduling of Drugs and Poisons.  
**UN Number:** United Nations Number

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This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Company Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use then product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request

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