

MATERIAL SAFETY DATA SHEET



Product: HOT MELT ADHESIVE STICKS

Code: BDGS 8/4

Date of Issue: March 2006

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **BOND IT HOT MELT ADHESIVE STICKS (4" & 8")**

Supplier: Bond It

Address: Un G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. England.

Telephone: (+44) 01422 315300

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

PRODUCT TYPE:

Chemical Composition	%	Symbol; Risk Phrase
Vinyl Acetate	<0.3%	F; R11

3. HAZARD IDENTIFICATION:

Not classified under the Chemicals (Hazard Information and Packaging) Regulations (CHIP) 1994.

4. FIRST AID MEASURES:

GENERAL ADVICE: Hotmelt adhesives pose virtually no hazards to health when used in normal conditions, however, because they are used in a molten state at high temperatures there is a risk of thermal burns. Skin contact with molten hotmelt should be avoided and precautions taken against accidental splashes of adhesive. The use of hinged guards and the insulation of hot pipes, tanks etc. minimises the risk of burns.

INHALATION: Noxious and irritating fumes may be released from heating hot melt sticks. Vapours given off during operation are not considered toxic, but if overheated chemical breakdown of the components may occur, releasing a complex mixture of organic materials, some of which may be toxic or irritant. Remove to fresh air, keeping patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. Treat any irritation symptomatically. If unconscious place in recovery position and seek medical advice.

SKIN CONTACT: Solid cold hotmelt is harmless to the skin. Wash hands with soap and water. Skin affected by molten hotmelt should be plunged into cold water immediately and left until the burning sensation subsides. If no tap is available have a bucket of clean cold water available. If coated with hotmelt move fingers to prevent a tourniquet effect as it cools. Do not remove the adhesive when molten as it might remove skin to quite a depth leaving a raw wound. Even when solid remove with care as the above may still occur. If difficult to remove, with medical approval, olive oil or liquid paraffin should be soaked into a cotton wool pad and placed over the affected area. This will slowly soften the adhesive into the pad. When hotmelt is removed treat as a normal burn. In isolated circumstances an allergic reaction may occur and direct contact with the adhesive and its vapour should be avoided.

EYE CONTACT: For solid treat as inert particles and irrigate copiously with clean fresh water. For molten hotmelt irrigate with cold water and seek medical advice immediately.

INGESTION: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Give large quantities of water but never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES:

As a solid or when heated liquid with no flash point. The product is combustible and will burn in the event of a small fire but has no unusual fire or explosion hazards. If a fire does occur extinguish with dry agent, foam or CO₂. Water should not be allowed to come into contact with molten hotmelt adhesives. Fire will produce dense black smoke and toxic gases e.g. carbon monoxide which must not be inhaled.

6. ACCIDENTAL RELEASE MEASURES:

Sweep up granules of solid material and place in a container for disposal according to local regulations. Allow melted product to cool and solidify. Scrape up and dispose of as above. Do not allow to enter drains or water courses.

7. HANDLING AND STORAGE:

Handling: Do not heat hotmelt above recommended temperatures. Avoid overheating hotmelts as this can give rise to excessive fuming indicating polymer breakdown and production of toxic or irritant vapours. The product contains some residual free vinyl acetate and on overheating acetic acid can be produced by

decomposition. The requirements of regulations made under the Health and Safety at Work Act should be complied with.

Storage: Hotmelts can be stored for indefinite periods, but stock rotation is advised. Store in a dry, well ventilated place. Keep in original containers to avoid contamination with moisture and other foreign bodies. Keep containers closed.

8. Exposure Controls:

Provide adequate extraction/ventilation of fumes and vapours released from molten hotmelt.

NAME	LTEL	STEL	NAME	LTEL	STEL
Vinyl Acetate	10	20	Acetic Acid	10	15

PERSONAL PROTECTION: Gloves to avoid contact with molten adhesive.

RESPIRATORY PROTECTION: No special protection necessary.

HAND PROTECTION: Wear gloves to avoid contact with molten adhesive. Wash hands with soap and water after use.

EYE PROTECTION: Eye protection designed to protect against liquid splashes may be useful.

SKIN PROTECTION: Cotton or cotton/synthetic overalls may be useful to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Solid thermoplastic material	Flash point:	>250°C
Specific Gravity:	0.90 - 1.10	Solubility:	Insoluble

10. STABILITY AND REACTIVITY:

Stable under recommended storage and handling conditions (see section 7). When exposed to high temperature may produce hazardous decomposition products such as sulphur dioxide, carbonmonoxide, carbon dioxide and smoke as well as vinyl acetate and acetic acid.

11. TOXICOLOGICAL INFORMATION:

There is no data available on the product itself.

12. ECOLOGICAL INFORMATION

The product should not be allowed to enter drains or water courses or be deposited where it can effect ground surface waters.

13. DISPOSAL CONSIDERATIONS: Appropriate Methods Of Disposal: Disposal of material should be in accordance with local regulations. Packaging should be similarly disposed of.

14. TRANSPORT INFORMATION: Not hazardous for transport.

15. REGULATORY INFORMATION:

The product is not classified as dangerous under the Chemicals (Hazard Information and Packaging) Regulations 1994.

16. OTHER INFORMATION:

Safety data sheet available for professional user on request.

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.