



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>Product name</b>	EM-1100-B
	See Section 16 for Product Names Covered.
<b>MSDS name</b>	Hot Melt
<b>CAS number</b>	Mixture
<b>Product use</b>	Case and Carton Applications
<b>Generic description</b>	Hot Melt Adhesive
<b>Manufacturer</b>	The Glue Factory 3430 W. Highview Drive Appleton, WI 54914
<b>24 hour emergency assistance</b>	Telephone: 1-800-227-0332
<b>General assistance</b>	Telephone: 1-920-731-9016
<b>MSDS assistance</b>	Telephone: 1-920-731-9016

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

### 3. HAZARDS IDENTIFICATION

<b>Emergency overview</b>	Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Contact with molten material will cause thermal burns. Primary Routes of Exposure: eyes, skin, and inhalation.
<b>Potential health effects</b>	
<b>Skin</b>	Molten material will produce burns to skin areas.
<b>Eyes</b>	HOT MOLTEN material can cause irreversible eye injury and burns. Contact with SOLID material may cause irritation with temporary redness with stinging and tearing.
<b>Inhalation</b>	Inhalation of hot mist may cause respiratory irritation.
<b>Ingestion</b>	Exposure is unlikely. This product can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Molten material will produce burns to the gastrointestinal tract.
<b>Target organs</b>	None known for product as a whole.
<b>Fire and explosion</b>	This product will not ignite under normal situations but can be ignited in the extreme heat associated with a fire. Vapors are lighter than air and should rise, accumulating in overhangs and ceilings. In a fire situation, exposed containers may build up pressure and burst explosively spewing hot material. Irritating and potentially harmful vapors may be released in a fire or spill situation.
<b>Hazard statements</b>	This product contains paraffin wax (CAS#s 8002-74-2, 64742-43-4 and/or 64742-51-4). Upon application of heat during use of this product in molten form, paraffin wax fume may be generated. American Conference of Governmental Industrial Hygienists (ACGIH) recommends a TLV of 2 mg/cu.m for paraffin wax fume. See Section 8 for recommended ventilation. Under normal conditions, paraffin wax fume generation should present no significant health hazard.

### 4. FIRST AID MEASURES

<b>First aid</b>	
<b>Skin</b>	For contact with molten product, do not remove any material or clothing adhering to the skin. Flush the burned area immediately with large amounts of cold water. If it is possible, submerge the area in cold water. Immediately seek medical attention or contact a physician.
<b>Eye</b>	If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately. See Notes to Physician.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately for a large dose exposure or if cough or other symptoms develop.
<b>Ingestion</b>	If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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**Notes to physician**

Burns should be treated as thermal burns. The material will come off as healing occurs, therefore, immediate removal from skin is not necessary, as it may cause additional harm to the skin.

**5. FIRE FIGHTING MEASURES**

<b>Hazardous combustion products</b>	Decomposition can produce hazardous chemicals. Carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced during combustion.
<b>Extinguishing media</b>	Use dry chemical, carbon dioxide, or foam. Do not use water on molten adhesive to avoid splattering and spreading of fire.
<b>Dust explosion hazard</b>	None Known
<b>Sensitivity to mechanical impact</b>	None Known
<b>Sensitivity to static discharge</b>	None Known
<b>Unusual fire &amp; explosion hazards</b>	Do not use water on molten adhesive to avoid splattering and spreading of fire.
<b>Fire fighting equipment/instructions</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Flash point</b>	> 400 °F (> 204.4 °C)

**6. ACCIDENTAL RELEASE MEASURES**

<b>Emergency action</b>	Appropriate safety measures and protective equipment should be used. See Section 8. Dispose of as solid waste in compliance with local, state, and federal regulations.
<b>Containment</b>	Isolate spill area. Stop discharge if safe to do so. Pellet or chip spill: Collect and contain for salvage or disposal. Molten adhesive spill: Placard hot material, allow to cool and remove. Collect and contain for salvage or disposal. Stop material from contaminating soil or from entering sewers or water streams.
<b>Reporting</b>	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

**7. HANDLING & STORAGE**

For Commercial Use Only - Not Packaged or Labeled for Home Use!

<b>Handling</b>	Avoid contact with skin and eyes. Avoid contact with molten material. Wash hands thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use. Avoid breathing fumes if this product is used at high temperatures. Use this product with adequate ventilation.
<b>Storage</b>	Store in a clean, dry area. Keep containers closed.
<b>Empty container precaution</b>	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Engineering controls</b>	Use local exhaust ventilation when vapors, mists, or dusts are being generated. Suitable respiratory equipment should be used when insufficient ventilation or operational procedures demand it.
<b>Eye protection</b>	Wear goggles or safety glasses with side shields. Contact lenses should not be worn.
<b>Skin and body protection</b>	Cover as much of exposed skin as possible. Wear protective clothing that provides protection against skin exposure and thermal burns, including longsleeved protective shirt, long pants, work shoes/boots, hard hat, face shield, and long-cuffed, rubber, thermal insulating gloves.
<b>Respiratory protection</b>	None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
<b>General</b>	Eye wash fountain and emergency showers should be readily available.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Viscosity</b>	1650 °F (898.9 °C) Brookfield CPS Brookfield
<b>pH</b>	N/A
<b>Density</b>	8.01 lbs/gal
<b>Odor</b>	Negligible

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<b>Color</b>	Yellow
<b>Physical state</b>	Solid
<b>Freeze protect</b>	No

## 10. STABILITY & REACTIVITY

<b>Hazardous reactions/decomposition products</b>	If product is burned carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced.
<b>Hazardous polymerization</b>	Will not occur.
<b>Conditions to avoid</b>	Do not add water or other volatile material to molten adhesive. Avoid excessive overheating.
<b>Stability</b>	Stable under normal conditions. Avoid water sensitive materials such as acids or alkalis or sodium and other metallic hydrides.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological data</b>	If any toxicological data is available, it will be listed below:
<b>Carcinogenicity</b>	If this product contains any carcinogens, they will be noted below:

## 12. ECOLOGICAL INFORMATION

Bostik's hot melt adhesives are manufactured without the intentional use of volatile organic compounds and/or hazardous air pollutants regulated by the EPA in the Clean Air Act Amendment of 1990.

<b>Ecotoxicological information</b>	No data available for this product.
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## 13. DISPOSAL CONSIDERATIONS

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

<b>Waste disposal</b>	This product as supplied is not considered a hazardous waste under RCRA. Dispose of in compliance with all local, state, and federal regulations. Recommended disposal method is incineration.
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## 14. TRANSPORT INFORMATION

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

All components are on the U.S. EPA TSCA Inventory List.

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

<b>State regulations</b>	If this product contains any ingredients listed under California Proposition 65, they will be noted below:
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<b>International regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.
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All components are included on the Canadian Domestic Substances List (DSL).

### HMIS Ratings

Health: 1  
 Flammability: 1  
 Physical hazard: 0  
 Personal protection: X

### SARA 311/312 HAZARD CATEGORIES

Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

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WHMIS status Non-controlled

## 16. OTHER INFORMATION

**Disclaimer** The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, The Glue Factory makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

**Further information** Any characters following " EM-1100-B " are just designations for the various types of packaging that are available for this product. These characters do not indicate a different product nor a different regulatory, health, safety and/or environmental status. This document covers the EM-1100-B for all of its packaging types.

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