

# Material Safety Data Sheet

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## PRODUCT INFORMATION: U2101 Hot Melt Adhesive

PAMFAST Hot Melt Adhesives  
Product Class: Thermoplastic Adhesive

## SECTION I: GENERAL INFORMATION

Manufacturer: PAM Fastening Technology  
P.O. Box 669063  
2120 Gateway Blvd.  
Charlotte, NC 28202

For Information Call: (800) 699-2674 or Chemical Emergency 800-424-9300

Last Updated: 02/24/04

## SECTION II: HAZARDOUS INGREDIENTS

None known to PAM Fastening Technology, Inc.

## SECTION III: PHYSICAL DATA

Melting Point: N/A Boiling Point: N/A  
% Volatiles: Negligible  
Water Solubility: Negligible  
Form: At room temperature solid; blocks, pellets or slugs Odor: Mild ester odor

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Greater than 482°F (250°C) COC  
Fire and Explosion Hazards: None known to PAM Fastening Technology, Inc.  
Hazardous Combustion Products: Like most organic products it might form carbon monoxide, carbon dioxide and other byproducts.  
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

**Important Notice:** The details in our sheets and other PAM publications are provided to the best of our knowledge. The contents, however, are not legally binding. In all cases we recommend that preliminary tests be carried out by the customer. In all respects our general terms of sale shall apply.

**Warning:** The molten adhesive and nozzle of the various tools can reach temperatures of up to 400°F. and could cause skin burns if used carelessly. Use appropriate protective gear when working with this material. Always use in well-ventilated area.

The logo for PAM, consisting of the letters "PAM" in a bold, white, sans-serif font, set against a solid orange rectangular background.

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## SECTION IV: FIRE AND EXPLOSION HAZARD DATA (continued from p.1)

Special Firefighting Procedures: Do not use water to extinguish fire at temperatures above 430°F (220°C). Material may foam and sputter. Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus if exposed to fumes.

## SECTION V: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Do not heat above 430°F (220°C) for prolonged time.

Materials to Avoid: None known to PAM Fastening Technology, Inc.

## SECTION VI: HEALTH HAZARD DATA

Route(s) of Entry:

- *Inhalation*: of vapors of molten materials
- *Ingestion*: very unlikely
- *Skin*: N/A

Health Hazards (Acute and Chronic): None known to PAM Fastening Technology, Inc.

Carcinogenicity:

- NTP: Not listed.
- IARC: Not listed.
- OSHA: Not regulated.

Signs and Symptoms of Overexposure:

- *Eyes*: Vapors and fumes may cause irritation.
- *Skin*: No known effects.
- *Inhalation*: Vapors and fumes may cause irritation of the nose, throat, and respiratory tract
- *Chronic*: None known to PAM Fastening Technology, Inc.

*Medical Conditions Generally Aggravated By Exposure*: None known to PAM Fastening Technology, Inc.

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## SECTION VI: HEALTH HAZARD DATA (continued from p.2)

Emergency and First Aid Procedures:

- *Eyes:* Flush with plenty of water; if irritation appears consult physician.
- *Skin:* If irritation appears flush with plenty of soap and water; in case of contact with molten material flush with plenty of cold water; do not attempt to remove solidified material. Consult a physician for burn treatment.
- *Inhalation:* Remove to fresh air; if breathing stops administer respiration or oxygen; call a physician.
- *Ingestion:* Induce vomiting after drinking two glasses of water; consult a physician.

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

*Steps To Be Taken In Case Material Is Released Or Spilled:* Pellets or solid material: sweep area immediately and dispose of contaminated material accordingly.

*Molten Material:* Allow to cool and solidify then remove.

*Waste Disposal Method:* Dispose of as solid waste in compliance with federal, state and local regulations for non-hazardous substances.

*Precautions To Be Taken In Handling And Storage:* Store in a dry, clean and cool area. Avoid temperatures above 120°F (50°C) to prevent material from blocking.

*Other Precautions:* Normal usage involves hot, molten adhesive which can cause severe burns; handle with care.

## SECTION VIII: CONTROL MEASURES

*Respiratory Protection:* No special requirement under ordinary conditions of use when adequate ventilation is provided.

*Local Exhaust:* Recommended to remove vapors when processing material.

*Protective Gloves:* Wear heat protective gloves when processing.

*Eye Protection:* Safety glasses or better recommended.

*Other Protective Clothing or Equipment:* Protective apron, long sleeve and safety shower when processing material.

*Work/Hygienic Practices:* Use good hygiene and housekeeping practice.

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## SECTION IX: REGULATORY INFORMATION

HMIS RATING: HEALTH – 1      FLAMMABILITY - 1      REACTIVITY – 0

DOT Proper Shipping Name: Not a regulated material.

TSCA Status: All components of this material are registered under the Regulation of the Toxic Substances Control Act.

SARA Title III / Section 313: This product does not contain any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR PART 372.

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