

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: 1200-HMP

Hot Melt Technologies, Inc.

1723 Hamlin Road

Rochester Hills, MI 48309

For additional health, safety, or regulatory information, call 248-853-2011 during business hours.

2. Occupational Health and Safety Components

GHS Ratings:

GHS Hazards

H335 May cause respiratory irritation

GHS Precautions

P103 Read label before use
P270 Do not eat, drink or smoke when using this product
P281 Use personal protective equipment as required
P302+P334 IF ON SKIN: Immerse in cool water/wrap in wet bandages
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention

Signal Word:

Acute Toxicity: None

Conditions Aggravated: Hot fumes may cause eye, skin or respiratory irritations

Chronic Effects: None known.

3. Hazards Identification

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

Chemical Name	CAS number	Weight Concentration %

4. First Aid Measures

Inhalation: Not likely. Move victim to fresh air if needed.

Eye Contact: For material in supplied state - immediately flush eyes with plenty of water for at least 15 minutes- occasionally lift eyelids. Call a physician if irritation persists.

Skin Contact: For contact with material as supplied- wash with soap and and water. For molten adhesive- immediately immerse in or flush with large amounts of cold water to dissipate heat. Cover with clean cotton and get prompt medical attention.

Ingestion: Not likely in normal use. If swallowed, do not induce vomiting. Give 2 glasses of water (16oz.) and contact a physician.

Notes to Physician: Product in original form should pose no hazard. Material is heated to apply. Molten material may cause burns.

5. Firefighting Measures

Flash Point: Not determined

LEL:

UEL:

Flammable Limits: Not established

Extinguishing Media: Water spray of fog, CO₂, or dry chemical. Use care not to splash adhesive.

Unusual Fire and Explosion Hazards: Material will burn in a fire.

Hazardous Combustion Products: None hazardous. Carbon dioxide, carbon monoxide and various hydrocarbons.

Firefighting: Wear self-contained breathing apparatus.

Fire Equipment: Wear self-contained breathing apparatus. Keep containers cool to prevent rupture.

6. Accidental Release Procedures

Spillage: Ensure that all clean-up personnel wear all appropriate protective equipment. Do not allow material to get into sewer or waterway. Material in pellet form can present a slip hazard.

Small Spills: Sweep or vacuum materials. Dispose in trash. Material in pellet form can present a slip hazard.

Large Spills: Sweep or vacuum materials. Dispose of as non hazardous waste. Material in pellet form can present a slip hazard.

7. Handling and Storage

Handling: Routine housekeeping should be in place to assure that material does not accumulate on surfaces. Clean up small spills.

Storage Requirements: Normal storage temperatures in a dry warehouse.

Regulatory Requirements: During melt processing air removal or air flow may be necessary.

8. Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
	Not Established	Not Established	Not Established

Engineering Controls: Ventilation should be sufficient to control airborne levels/fumes.

Ventilation: Use in a properly ventilated area.

Administrative Controls: Use good personal hygiene when handling this product. Wash hands after use, before smoking, eating, or using the toilet.

Protective Gear: Wear safety glasses near extrusion and fill points. Wear heat resistant gloves when working near molten material.

Contaminated Gear: Use care if molten material is on gear. Do not try to remove until it has cooled.

9. Physical and Chemical Properties

Properties are supplied for safety, health and environmental considerations and may not fully represent product specifications.

<p>Odor threshold: Not determined</p> <p>pH: Not applicable</p> <p>Mettler Drop Point: Not determined</p> <p>Viscosity: 950 - 1,300 cps @350°F</p> <p>Explosive Limits: Not determined</p> <p>Autoignition temperature: Not determined</p> <p>Solubility: Insoluble in water</p> <p>Flash point: Not determined</p> <p>Flammability: Not determined</p> <p>Odor: Resinous</p>	<p>Vapor Density: Heavier than air</p> <p>Specific Gravity 0.92</p> <p>Freezing point: Not applicable</p> <p>Grams VOC less water: Not determined</p> <p>Partition coefficient (n-octanol/water): Not determined</p> <p>Decomposition temperature: Not determined</p> <p>Boiling range: Not determined</p> <p>Evaporation rate: Not determined</p> <p>Appearance: Yellow to amber solid</p> <p>Vapor Pressure: Not determined</p>
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10. Stability and Reactivity

Stability:

STABLE

Incompatible Materials:

Hazardous Decomposition Products:

Hazardous polymerization will not occur.

11. Toxicological Information

Mixture Toxicity

Toxicity: Information appears only if there are issues that need to be considered.

Routes of Entry: Material in furnished state does not pose any hazards.

Target Organs: Exposure to this material may affect the following organs:

Skin: Contact with molten material can cause burns.

Eyes: Vapors from molten product might cause eye irritation.

Respiratory System: Vapors from molten product might cause nose irritation.

Effects of Overexposure

Carcinogenicity: None

12. Ecological Information

Ecological: Any information available follows.

13. Disposal Considerations

Disposal: Reclaim if feasible. If disposal is required, dispose of material and waste in a sanitary landfill or incinerate in an industrial, commercial, or municipal incinerator.

14. Transport Information

Transportation Instructions:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated			
IATA	Not regulated			

15. Regulatory Information

The following information is provided based upon the best information at our disposal.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
	SARA Title III	No
	Toxic Substances Control Act	Yes

16. Other Information

Hazardous Material Information System (HMIS)

HEALTH	1	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
FLAMMABILITY	1	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	B	

We believe the information included on this Material Safety Data Sheet to be correct, to the best of our knowledge. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that tests be made in a laboratory or plant to determine if this product meets all of your requirements. It is the responsibility of the buyer/user to determine the suitability of this product for his/her application/requirements.