



SAFETY DATA SHEET (SDS)

1. PRODUCT IDENTIFICATION:

Trade Name: HM 160

Synonyms: Hot Melt Adhesive

Recommended use: Adhesive

Generic description: Synthetic Based Hot Melt

Manufactured by:

Warren Adhesives, Inc.

Phone: (251) 633-5034

P.O. Box 8737 Mobile, AL 36689 – 7860 Zeigler Blvd. Mobile, AL 36608

2. HAZARDS IDENTIFICATION:



IRRITANT: (Skin and Eye) Molten liquid may cause severe burns

Emergency Overview: Contact with this material can cause irritation to the skin, eyes, and mucous membranes. Contact with molten materials will cause thermal burns.

Potential Health Effects:

Eyes HOT MOLTEN material can cause irreversible eye injury and burns. Contact with SOLID material may cause irritation with temporary redness with stinging and tearing.

Skin When it is heated, this material may cause thermal burns.

Inhalation N/A

Ingestion Ingestion can cause gastrointestinal disturbance. Molten material will produce burns to the gastrointestinal tract.

Fire & Explosion 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, sealed 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMPONENT	CAS-NO.	CONCENTRATION
Ethylene Vinyl Acetate	24937-78-8	Proprietary
Polyethylene Wax	9002-88-4	Proprietary
Hydrocarbon Resin	69430-35-9	Proprietary

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

4. FIRST AID MEASURES:

First Aid Procedures

Eye Contact

If hot product contacts eye, flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact

If hot product contacts skin, cool under running water and seek medical attention. Use plenty of water when cooling hot melt. Do not remove solidified product.

Inhalation

Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, seek medical attention promptly.

Ingestion

If ingested, seek medical attention immediately. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to victim who is unconscious or having convulsions.

5. FIRE FIGHTING MEASURES:

Flash Point:

N/A

Flammable Limits In Air:

N/A

Lower: N/A

Upper: N/A

Extinguishing Media:

CO₂, chemical foam and dry chemical

Special Fire Fighting Procedures:

Avoid getting water on hot melt to avoid spreading fire.

Hazardous Combustion Products:

Upon decomposition, product emits carbon monoxide, carbon dioxide and/ or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES:

Waste Disposal Method: Dispose of the solid waste in accordance with existing Federal, State and Local regulations.

Steps To Be Taken If Material is Released Or Spilled: Allow to solidify to room temperature. Once cooled, collect and contain for salvage or disposal.

7. HANDLING AND STORAGE:

General good workplace hygiene practices are recommended when handling and storing material. (e.g., eating, drinking, and smoking in work areas is not recommended.) Use with adequate ventilation.

***Storage:** Keep container closed and dry.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Ventilation Requirements: At application temperatures, use of local exhaust is recommended.

Respiratory: No special requirements

Eye: Safety glasses

Gloves: Thermally protective gloves

Other Clothing & Equipment: Cold water source for burns

9. PHYSICAL AND CHEMICAL PROPERTIES:

Flash Point:	N/A	Flammability:	1
Boiling Point:	N/A	Partition Coefficient:	N/A
Specific Gravity:	0.99	Vapor Pressure:	N/A
Vapor Density:	N/A	Solubility in Water:	N/A
% Volatiles By Vol.:	N/A	Evaporation Rate:	N/A
Appearance & Odor:	Light/ Resin	pH (as is):	N/A

Odor Threshold: N/A Auto Ignition Temperature: >500° F
Softening Point: 100- 300° F Decomposition Temperature: N/A
Viscosity: 100- 10,000cps @350° F

VOC: No levels of volatile organic compound emissions are expected at ambient temperature and pressure. Low molecular weight hydrocarbons may be emitted at application temperature. Monitoring actual plant conditions best develops emission data.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal ambient temperatures and conditions while in storage and being handled
Conditions Contributing to Instability: Stable
Incompatibility: Contact with strong oxidizing substances
Hazardous Decomposition Products: Thermal decomposition products include CO, CO₂, and smoke.
Conditions Contributing to Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION:

Acute Overexposure: None at ambient temperatures. Excessive high temperatures may produce irritating fumes.
Chronic Overexposure: Unknown

This chemical compound is not listed in the National Toxicology Program (NTP) Report on Carcinogens, and has not been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC), nor found to be a potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION:

There is no data available for this product.

13. DISPOSAL CONSIDERATIONS:

Environmental precautions: CAUTION: keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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

Waste disposal: Dispose of waste material according to local, state, federal and provincial environmental regulations

14. TRANSPORT INFORMATION:

DOT: Not regulated as hazardous goods.

IATA: Not regulated as hazardous goods.

IMDG: Not regulated as hazardous goods.

15. REGULATORY INFORMATION:

Workplace Classification

OSHA: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200)

WHMIS: This product is now a “controlled product” under the Canadian Workplace Hazardous Materials Information System (WHMIS)

SARA TITLE III: Section 311/312 Categorizations (40CFR370):

This product is not a hazardous chemical under 29CFR1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372):

This product does not contain a chemical which is listed in Section 313 at or above the minimum concentrations.

CERCLA Information (40CFR302.4):

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

U.S. Toxic Substances Control Act (TSCA):

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

State Regulations If this product contains any California Proposition 65 chemicals at reportable levels, they will be listed below:

Restriction of Hazardous Substances (RoHS):

The product(s) covered by this (M)SDS do not contain or are under the prescribed levels of prohibited substances listed under 2011/65/EU Hazardous Substances Restricted or Prohibited in Electrical Equipment, including lead (CAS # 7439-92-1), mercury (CAS # 7439-97-6), cadmium (CAS # 7440-43-9), hexavalent chromium (CAS # 7440-47-3), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

International regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products and contains all the information required by the Controlled Products Regulations.

REACH – Substances of Very High Concern (SVHC):

The product(s) covered by this (M)SDS do not include any of the substances above a concentration of 0.1% weight by weight (w/w) in the Candidate List of Substances of Very High Concern (SVHC).

HMIS Ratings:

Health:	1
Flammability:	1
Physical Hazard:	0
Personal Protection:	X (see section 8)

16. OTHER INFORMATION:

Issue Date: 9/17/2018
SDS latest revision made: 10/28/2014

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