

Safety Data Sheet



1. Product and Company Identification

Product Name: HM 973
Material Uses: Hot Melt – medium viscosity, long open time, superior tackiness
(M)SDS#: 973-20181116
Validation Date: November-16-2018
Supplier/Manufacturer: Specialty Polymers & Services, Inc. (SP&S, Inc.)
27822 Fremont Court
Valencia, California (CA) 91355, U.S.A.
Non-emergency phone number: (661) 294-1790 (7AM – 5PM PST)
E-mail: msds@spolymers.com

In case of emergency: Chemtrec (800) 424-9300 or (703) 527-3887

2. Hazards Identification

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin corrosion/irritation: Category 2, H315 Eye damage/irritation: Category 2B, H320

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS: Warning!

HAZARD STATEMENTS:

H316 Causes skin irritation

H320 Causes eye irritation

OTHER HAZARDS:

Avoid hot contact with skin, can cause burns. Use heat resistant gloves. Use in well ventilated areas.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE:

P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER and/or doctor if you feel unwell.

P302+P352+P362 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing (see First Aid Measures section 4).

P333+P313 If skin irritation or rash occurs: Get medical attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical attention.
 P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

See toxicological information (section 11)

General Information: Read entire MSDS for a more thorough evaluation of the hazards

3. Composition / Information on Ingredients

Name	CAS Number	%
Petroleum wax	8002-74-2	0 – 30
Polyethylene wax	9002-88-4	0 – 30
Rosin ester resin	8050-26-8	0 – 60
White Mineral Oil	8042-47-5	0 – 20
Petroleum Hydrocarbon resin	64742-16-1	0 – 30
Hydrogenated Hydrocarbon resin	69430-35-9	0 – 30
EVA co-Polymer	24937-78-8	0 – 50
Polystyrene rubber co-polymer	26602-62-0	0 – 30

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

Eye Contact:	If molten material contacts the eyes, promptly flush with large amounts of water until irritation subsides and get medical attention immediately.
Skin Contact:	In case of contact, DO NOT ATTEMPT TO REMOVE THE HOT MATERIAL FROM SKIN. For severe burns, contact physician straight away. Cool hot melt on skin with plenty of water, but do not remove material from skin nor remove contaminated clothing which can damage skin. Allow physician or medical personnel to remove material from skin or remove contaminated clothing. Cover affected area to prevent infection.
Inhalation:	This material is unlikely to be dangerous by inhalation. Remove individual to fresh air after an excessive level of dust or fumes exposure as a preventative measure. Get medical attention if cough or other symptoms persist. If person is not breathing, give artificial respiration.
Ingestion:	No harmful effect is anticipated in case of ingestion, if symptoms develop and persist, get medical attention immediately.
Note to physician:	No specific treatment. Treat symptomatically. Call poison control center if large quantities were ingested.

5. Fire-Fighting Measures

Flash point:	> 500°F (260°C) closed cup
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, other oxides, and hydrocarbons.
Extinguishing Media:	Water spray or fire extinguisher with class B extinguishing agent (e.g. dry chemical, carbon dioxide). Avoid solid water stream because it may scatter molten product.
Special Exposure Hazards:	Promptly isolate the scene by removing all persons from the vicinity of the fire. No actions shall be taken involving any personal risk or without suitable training.
Special Protective equipment for fire-fighters:	Fire-fighting personnel should wear full protective clothing including self-contained positive pressure or pressure demand breathing apparatus, helmet and face mask.

6. Accidental Release Measures

Personal Precautions: Allow spilled molten material to solidify before disposal. No actions shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing vapor or mist and provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions: Use heat resistance gloves and exercise proper precautions when handling hot molten materials. Avoid dispersal of spilled material and runoff that leads to contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods of Clean Up: Stop leak if without risk. Allow spilled molten material to solidify before disposal. Move containers from spill area. Prevent spill from entering sewers, rivers and other water courses, basements, or confined areas. Sweep up spilled cold adhesive by scraping or solvent cleaning and place into suitable closed containers for recycle or disposal. Dispose of only using a licensed waste disposal contractor. Note: see section 1 for emergency contact information.

7. Handling and Storage

Handling: Wear appropriate personal protective equipment (see Section 8) when handling. No special precautions are needed in handling at or below room temperature. Prevent contact with molten adhesive. Eating, drinking, and smoking should be prohibited in areas where chemicals are handled, stored, or processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated goggles, face shields, and gloves. Persons with a history of skin sensitization problems should not be employed in processes where this material is used. Keep in the original container or a suitable alternate made from a compatible material. Keep all containers tightly closed when not in use. Empty containers retain product residue and should be disposed of properly. Do not reuse empty containers for other purposes or to hold other materials.

Storage: Store in accordance with local regulations. Store in original containers, at 10°C - 35°C. Avoid direct sunlight. Keep away from incompatible materials (see Section 10) and food and drink. Keep all containers tightly closed when not in use and tightly re-seal after use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Ingredient	Exposure limits
Paraffin wax	ACGIH TLV: 2 mg/m ³

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace, atmospheric, or biological monitoring may be required to determine the effectiveness of the ventilation system or other control measures and/or to determine whether it is necessary to use respiratory protective equipment. Consider European Standard EN 689 or similar industry or governmental guidelines for appropriate methods for the assessment of exposure by inhalation to chemical agents and/or hazardous substances.

Engineering measures: No special ventilation requirements are necessary for this product. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below the recommended or statutory limits.

Hygiene measures: Wash hands, forearms, and face thoroughly after handling any chemical products, before eating, smoking, and using the lavatory and at the end of the work period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Respiratory: A respiratory protection program in compliance with 29CFR1910.134, or other applicable regulatory standard must be followed whenever exposure limits may be exceeded. If engineering controls are not feasible, or if inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Wear heat resistant gloves when handling hot molten adhesive to prevent thermal burns on skin. When handling cool adhesive wear neoprene, nitrile rubber or other suitable impervious gloves; consider

European Standard EN374 or similar industry or governmental guidelines. Consider the parameters specified by the glove manufacture and check gloves during use to ensure they are retaining their protective properties. Gloves selected must have a breakthrough rating appropriate for the work shift. If a risk assessment indicates that it is necessary, gloves should always be worn when handling chemical products.

- Eyes:** Avoid eye contact with hot material. When a risk assessment indicates, safety eyewear complying with an approved standard, such as OSHA Standard 29CFR1910.133 or European Standard EN166, should be used to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, at a minimum use chemical splash goggles. If significant splash hazard may occur, consider using a full-face shield.
- Skin:** Personal Protective equipment for the body should be selected based on the task being performed and the risks involved. Typical protective equipment includes non-absorbent lab coats, disposable protective sleeves, coats, or whole-body suits. Consider CFR1910.132 and CFR1910.136 for OSHA approved standards on protective clothing and footwear. Consider seeing a safety specialist to determine the appropriate level of protection for your task.
- Environmental Exposure Controls:** Emissions from ventilation or work processes should be checked to ensure they comply with the requirements of environmental regulations. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

Appearance:	Yellow amber Solid	Odor	Odorless
Boiling Point:	Not determined	Melting Point:	185°F (85°C)
Flash Point:	> 500°F (260°C) closed cup	pH:	Not determined
Auto-ignition Temperature:	Not determined	Flammable Limits:	Not determined
Vapor Pressure:	Not determined	Water Solubility:	Not soluble
Specific Gravity:	1.0 g/cc	Vapor Density:	Not determined
Evaporation Rate:	Not determined	VOC:	negligible
Viscosity:	6,500 cP at 350°F (176.7°C)		

10. Stability and Reactivity

- Chemical Stability:** This product is stable, under normal conditions of storage and use, hazardous reactions will not occur.
- Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.
- Conditions to Avoid:** Exposure to oxidizing agents, strong acids, and strong bases.
- Hazardous Decomposition:** Thermal Decomposition products may include the following materials: carbon dioxide, carbon monoxide, other oxides, and hydrocarbons

11. Toxicological Information

Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
No data available				

Irritation / Corrosion

Product/Ingredient Name	Test	Species	Result
No data available	-	-	

Sensitizer

Product/Ingredient Name	Test	Species	Result
No data available	-	-	-

Mutagenicity

Product/Ingredient Name	Test	Result
No data available		

Conclusion/ Summary: No data available

Carcinogenicity

No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP or OSHA.

Reproductive Toxicity

Product/Ingredient Name	Test	Species	Maternal Toxicity	Fertility	Developmental Effects
No data available					

Teratogenicity

Product/Ingredient Name	Test	Species	Results
No data available			

Potential Acute Health Effects

Inhalation: Prolonged or repeated exposure to vapors fumes generated by heating this product may cause respiratory irritation such as throat discomfort and coughing.

Ingestion: No known significant effects or critical hazards.

Skin Contact: No toxicological effects known, contact with molten material may cause burns.

Eye Contact: No toxicological effects known, contact with molten material may cause burn eyes.

Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Results
No Data Available				

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels

Target Organs: No known significant effects or critical hazards

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

Teratogenicity: No known significant effects or critical hazards

Developmental Effects: No known significant effects or critical hazards

Fertility Effects: No known significant effects or critical hazards

12. Ecological Information

Environmental Effects: No adverse effects on aquatic organisms are predicted. The product components are not classified as environmentally hazardous; however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not release product into environment or the drains.

Aquatic Ecotoxicity

Product/Ingredient Name	Test	Endpoint	Exposure	Species	Result
No data available	-	-	-	-	-

Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
No data available	-	-	-

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
No data available	-	-	-

Bioaccumulative potential

Product/Ingredient Name	Log P _{ow}	BCF	Potential
No data available	-	-	-

Other adverse effects: No known significant effects or critical hazards

Other information: BOD5: Not determined COD: Not Determined TOC: Not determined

13. Disposal Consideration

Waste Disposal Method: Disposal of this products, solutions, and by-products should at all times comply with the requirements of environmental and waste disposal legislation and any regional or local authority requirements. Dispose of surplus, non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed on untreated to the sewer system unless this is complaint with all applicable laws and regulations. Incineration by an approved and licensed contractor is the most common disposal method. Packaging materials that and absorbents containing the product can typically be landfilled or incinerated. Contact local authorities to determine the proper means of disposal in your area.

14. Transport Information

DOT (US) Classification: Not regulated for transportation purposes under 49CFR in non-bulk when transported by motor vehicle, rail car, or aircraft.

TDG (Canadian) Classification: Not regulated for transportation purposes when transported by road or rail.

IATA: Not regulated for transportation purposes when transported by aircraft

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III: Section 304 - CERCLA: This product does not contain any chemicals regulated under Section 304 as extremely hazardous substance(s) for emergency release notification ("CERCLA" List):

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): none

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

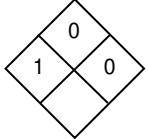
TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain chemicals which are subject to Section 12(b) export notification.

State Regulations:

California Proposition 65: This product does not expose you to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) - USA			National Fire Protection Association (USA):	
Health	1			
Flammability	0			
Physical Hazards	0			
Personal Protection	C*			

*suggested minimum personal protection equipment. End user must determine appropriateness of these suggestions for their applications and usage conditions.

Reason Issued: update

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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF PRODUCTS FOR THE USER'S PURPOSE(S).

THIS PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.