

January 1, 2007

Material Safety Data Sheet

1. Company Identification and Chemical Product

Emergency Telephone Number 785-862-2205

Brackett, Inc.
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Product Numbers **108525, 108525-5, 108525-HR, 108526,
551692, 551692-5, 551692-HR, 551695**
Synonyms Hot Melt Adhesive
Chemical Family Hot Melt Adhesive

2. Hazardous Ingredients

Ingredient Name / CAS Number / Percentage	Exposure Limit
Paraffin Wax / 8002-74-2 / OSHA Percentage >1%	OSHA 2mg/m3 ACGIH 2mg/m3 STEL 6mg/m3 CEIL None

3. Physical Data

Appearance / Physical Description	Light Colored Solid
Boiling Point	>500° F
Bulk Density	8.0 Pounds / Gallon
Evaporation Rate	NIL (Water)
Melting / Freezing Point	Approx. 180° - 182° F
pH As Is	N/A
pH In Solution (1%)	N/A
Physical Form	Solid
Pure Material or Mixture	Mixture
Solubility in Water	Insoluble
Specific Gravity (water=1)	0.970 Approx.
Vapor Pressure (mmHg)	NIL at 20° C
Volatiles	NIL
VOC	1% or less

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4. Fire & Explosion Data

Autoignition	Unknown
Flash Point	>500° F (Cleveland Open Cup)
Extinguishing Media	CO ₂ , Dry Chemical
Special Fire Fighting Procedures	No special procedures are required
Fire & Explosion Hazards	Not applicable
Upper Explosion Limit (%)	Not applicable
Lower Explosion Limit (%)	Not applicable
NFPA Flammability Hazard Class	0 = Insignificant

5. Health Effects Data

Short Term Effects of Exposure

Route of Entry	Eye Contact; Skin contact; Inhalation
Acute Effects - Eye	As supplied: Irritant as a foreign body. As used: Severe thermal hazard.
Acute Effects - Skin	Exposure to hot material may cause thermal burns.
Acute Effects - Inhalation	Overexposure to Paraffin Wax fumes may be irritating to respiratory passages and cause other effects such as eye irritation and nausea. Care should be taken not to exceed the established TLV.
Acute Effects - Ingestion	Low order of toxicity.

First Aid Procedures

Eye	If hot: Flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately.
Skin	As supplied: Remove as foreign body. If hot: Flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get attention immediately. As supplied: Non-hazardous.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.
Ingestion	If swallowed, induce vomiting only if victim is alert. Get prompt medical attention. Do not attempt to give anything by mouth to a drowsy or unconscious person.

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Long Term Effects of Exposure

Effects of Chronic Exposure	No known chronic effect of exposure when product is as supplied. Effects of long term inhalation are not known.
Target Organs	Eyes; Skin; Respiratory system.

Special Health Effects

Carcinogenicity	No
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Toxicology Information

Paraffin Wax Other Notes on Toxicity	Paraffin Wax toxicity has not been fully quantified. The fumes are eye, skin and mucous membrane irritants.
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6. Recommendations for Personal Protective Equipment

Conditions Under Which PPE Req'd	Normal work conditions.
Eye Protection Requirements	Safety glasses, goggles or face shield to protect against splashing.
Glove Requirements	Thermally resistant gloves should be worn.
Clothing Requirements	To avoid burns, use long-sleeved, long-legged clothing.
Change/Removal of Clothing	Not required unless molten adhesive has been splashed on clothing and passes through fabric.
Wash Requirements	None
Respirator Requirements	No respiratory protection is recommended while working with this material. However, if operation conditions create high vapor or mist concentration, use of an approved respirator is recommended.
Ventilation Requirements	General; local.

7. Reactivity

Stability	Stable
Incompatibilities	Water when molten
NFPA Reactivity Hazard Class	0 = Insignificant
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, unknown hydrocarbons.
Hazardous Polymerization	Will not occur.

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8. Spill and Leak Procedures

Spill or Leak Procedures	Allow to cool and solidify. Scrape up and collect in suitable containers for disposal.
Waste Disposal Methods	Waste disposal should be in accordance with existing Federal, State and Local environmental regulations.

9. Handling and Storage Precautions

Storage Temperature	0 - 100° F
Handling / Storage	Store in a cool, dry area. Precaution: This product should only be heated to recommended temperatures, Hazards of pyrolysis products emitted are unknown and may be hazardous to health.

10. Shipping Information

DOT Shipping Name	Adhesive N.O.I.
DOT Hazard Class	Non-Hazardous
DOT Reportable	None
United Nations Number	None
United Nations Class	None

11. Other Regulatory Information

TSCA	All components are on the TSCA inventory.
FDA	21CFR175.105
SARA / Title III	This product contains no substances at or above the reporting threshold under Section 313, based on data available.

MATERIAL SAFETY DATA SHEET
BRACKETT Inc. Product # 108527 and 551527
Emergency Phone Number: 785-862-2205

IDENTIFICATION

Product Name: 108527
Product Class: Modified ethylene vinyl acetate hot melt adhesive.
CAS #: Not applicable to mixtures.

Ingredients	CAS-#	OSHA-TWA	ACGIH-TLV
Ethylene vinyl acetate	24937-78-8		
Rosin ester	Trade Secret		
Petroleum wax	64742-42-3		
Petroleum wax	64742-43-4		
Synthetic paraffin	8002-74-2		

PHYSICAL DATA

Boiling point: N/A	Vapor Pressure: N/A
Softening Point: 172-175 F	Vapor Density: N/A
pH Range: N/A	Specific Gravity: 0.9
Nonvolatile Solids: 100%	Evaporation Rate: N/A
Typical Visc: 2000 @ 350 F	Solubility in Water: Insoluble
Appearance/Odor: Translucent, light amber chip with mild odor.	Storage Life: 1 year

HEALTH HAZARD DATA

POINTS of ENTRY & EFFECTS:

Inhalation: Vapors are emitted during melting and extrusion operations.

Acute: May cause slight irritation to the nasal tract.

Chronic: N/A

Ingestion: Not likely nor probable.

Eyes: Vapors may cause slight irritation.

Skin: May cause slight irritation

Carcinogenicity: Has not been identified as a possible or probable carcinogen by NTP, IARC, or OSHA.

Medical Conditions Generally Aggravated by Exposure: N/A

CONTROL MEASURES and SPECIAL PROTECTION

Respiratory Protection: None required.

Ventilation: Local exhaust with mechanical assistance if required.

Protective Gloves: Use heat resistant gloves.

Eye Protection: Use eye protection or goggles.

Protective Clothes: No special clothing required.

Work/Hygienic Practices: Good housekeeping practices are important. Wash thoroughly after using.

EMERGENCY FIRST AID

Eyes: Vapors and fumes may cause irritation.

Skin: No known effect. (Melted material cause severe burns.)

Ingestion: N/A

Inhalation: Remove to fresh air and, if symptoms of over exposure develop, seek medical attention.

Comments: Melted material may cause severe burns.

Complies with FDA CFR 175.105 as indirect food contact.

FIRE AND EXPLOSIVES HAZARD DATA

Flash Point: None

Flammable Limits:

Upper VEL

Lower VEL

In Air - % by Vol

N/A

N/A

REACTIVITY DATA

Stability: Stable **Incompatibility:** N/A **Conditions to Avoid:** N/A

Hazardous Decomposition & By-Products: Thermal decomposition may release carbon dioxide and carbon monoxide.

Hazardous Polymerization: None

SPILL OR LEAK PROCEDURES

If Material is Released or Spilled: Shovel or clean up spilled material with suitable apparatus and place in approved container.

Waste Disposal Method: Disposal of contents or container should comply with all federal, state and local regulations.

Storage: For best product results store at temperatures between 50° & 90° F.

MISCELLANEOUS

SARA Status: N/A

UN #: N/A

DOT Shipping Name: N/A

DOT Shipping Class: N/A

FOR INDUSTRIAL USE ONLY

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