

BRACKETT

108525 – 108525-5 Hot Melt

June 22, 2015

*** SAFETY DATA SHEET ***

Page 1 of 5

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: 108525 & 108525-5
Product Type: Hot Melt Adhesive
Company Address:
Brackett, Inc.
7115 SE Forbes Ave.
Topeka, KS USA
Phone 785-862-2205

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Vapors/fumes may be an irritation at application temperatures. Contact with molten material will cause burns

Potential Health Effects

Eye Contact: Vapors and fumes released at or above application temperatures may cause irritation.

Skin: No known effects

Inhalation: Vapors and fumes may cause irritation of the nose, throat and respiratory tract. Overexposure may cause headaches and dizziness.

Ingestion: Not an anticipated route of exposure. Harmful if swallowed.

Chronic: No anticipated chronic effects

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Existing Health conditions affected by Exposure: No known effects on other illnesses.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

See Section 16 for additional information.

4. FIRST AID MEASURES

For burns: Immerse contact area immediately in cold, clean water. Do not attempt to remove set product. Removal could result in severe tissue damage. Cover contact area with clean wet compresses and take subject to a physician immediately.

NOTE TO PHYSICIAN: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen the material.

BRACKETT

108525 – 108525-5 Hot Melt

June 22, 2015

*** MATERIAL SAFETY DATA SHEET ***

Page 2 of 5

If vapors inhaled: Remove subject to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician if symptoms persist.

If Ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point/method: Greater than 400 degrees F / Cleveland (204 °C)

Upper Explosive Limit/Lower Explosive Limit: Not Applicable

Auto-ignition Temperature: Not Applicable

Appropriate Extinguishers: Carbon dioxide, dry chemical, chemical foam, or water fog. Using a direct, straight water stream may tend to spread a fire.

Special Fire Fighting Procedures: Avoid using direct straight water stream on molten material to reduce splattering and spreading of the fire.

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Spill or leak procedures: Allow to solidify at room temperature, scrape up and place in disposal container.

7. HANDLING AND STORAGE

Consult the Technical Data Sheet for specific storage instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Wear safety glasses to reduce the potential for eye contact; a face shield is appropriate if splashing is likely. Have eyewashes available where eye contact can occur.

Skin protection: At elevated temperatures prevent contact by wearing thermally protective gloves and a long sleeved shirt. Provide a cold water source for burn treatment.

BRACKETT

108525 Hot Melt

June 22, 2015

*** MATERIAL SAFETY DATA SHEET ***

Page 3 of 5

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: Hot melts should be used with good ventilation. At the application temperature use of local exhaust over the pre-melting reservoir is encouraged.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state: | Solid (as supplied) |
| Color: | White |
| Odor: | Slight Odor |
| Specific gravity: | Not established |
| % Solids by Weight | 100 % |
| pH: | Not applicable (as supplied) |
| Boiling Range: | Not applicable (as supplied) |
| Melting Point: | 175-180 °F |
| Vapor Pressure: | Not established |
| Vapor density: | Not applicable |
| Evaporation rate: | Not applicable |
| Water/Oil Partition coefficient | Not established |
| VOC content: | No levels of volatile organic compound emissions are expected at ambient temperature and pressure. Low molecular weight hydrocarbons may be emitted at application temperature. Emissions data is best developed by monitoring actual plant conditions. |

10. STABILITY AND REACTIVITY DATA

| | |
|----------------------------------|-----------------|
| Stability: | Stable |
| Incompatibility | Not established |
| Hazardous Decomposition: | Not established |
| Hazardous Polymerization: | Will not occur. |

BRACKETT

108525 Hot Melt

June 22, 2015

***** MATERIAL SAFETY DATA SHEET *****

Page 4 of 5

11. TOXICOLOGICAL INFORMATION

No data available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulation 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

14. TRANSPORT INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

Dot Proper Shipping Name: NOT REGULATED

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

BRACKETT

108525 Hot Melt

June 22, 2015

***** MATERIAL SAFETY DATA SHEET *****

Page 5 of 5

15. REGULATORY INFORMATION

FEDERAL

Toxic Substances control Act (TSCA)

Section 8 (b) – Inventory Status

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title iii of the Supervened Amendments and Reauthorization Act of 1986 (SARA) AND 40 CFR part 372

STATE REGULATIONS

California Proposition 65: Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986.

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

WHMIS IDENTIFICATION / OTHER INTERNATIONAL REGULATIONS

Not determined

16. ADDITIONAL INFORMATION

HMIS RATING

Health-1 Flammability-1 Reactivity-0

See SECTION 8: ESPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Revision Date: May 27, 2015

BRACKETT

108526 Hot Melt

June 22, 2015

*** SAFETY DATA SHEET ***

Page 1 of 5

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: 108526
Product Type: Hot Melt Adhesive
Company Address:
Brackett, Inc.
7115 SE Forbes Ave.
Topeka, KS USA
Phone 785-862-2205

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Vapors/fumes may be an irritation at application temperatures. Contact with molten material will cause burns

Potential Health Effects

Eye Contact: Vapors and fumes released at or above application temperatures may cause irritation.

Skin: No known effects

Inhalation: Vapors and fumes may cause irritation of the nose, throat and respiratory tract. Overexposure may cause headaches and dizziness.

Ingestion: Not an anticipated route of exposure. Harmful if swallowed.

Chronic: No anticipated chronic effects

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Existing Health conditions affected by Exposure: No know effects on other illnesses.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

See Section 16 for additional information.

4. FIRST AID MEASURES

For burns: Immerse contact area immediately in cold, clean water. Do not attempt to remove set product. Removal could result in severe tissue damage. Cover contact area with clean wet compresses and take subject to a physician immediately.

NOTE TO PHYSICIAN: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen the material.

BRACKETT

108526 Hot Melt

June 22, 2015

*** MATERIAL SAFETY DATA SHEET ***

Page 2 of 5

If vapors inhaled: Remove subject to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician if symptoms persist.

If Ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point/method: Greater than 400 degrees F / Cleveland (204 °C)

Upper Explosive Limit/Lower Explosive Limit: Not Applicable

Auto-ignition Temperature: Not Applicable

Appropriate Extinguishers: Carbon dioxide, dry chemical, chemical foam, or water fog. Using a direct, straight water stream may tend to spread a fire.

Special Fire Fighting Procedures: Avoid using direct straight water stream on molten material to reduce splattering and spreading of the fire.

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Spill or leak procedures: Allow to solidify at room temperature, scrape up and place in disposal container.

7. HANDLING AND STORAGE

Consult the Technical Data Sheet for specific storage instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Wear safety glasses to reduce the potential for eye contact; a face shield is appropriate if splashing is likely. Have eyewashes available where eye contact can occur.

Skin protection: At elevated temperatures prevent contact by wearing thermally protective gloves and a long sleeved shirt. Provide a cold water source for burn treatment.

BRACKETT

108526 Hot Melt

June 22, 2015

*** MATERIAL SAFETY DATA SHEET ***

Page 3 of 5

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: Hot melts should be used with good ventilation. At the application temperature use of local exhaust over the pre-melting reservoir is encouraged.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state: | Solid (as supplied) |
| Color: | White |
| Odor: | Slight Odor |
| Specific gravity: | Not established |
| % Solids by Weight | 100 % |
| pH: | Not applicable (as supplied) |
| Boiling Range: | Not applicable (as supplied) |
| Melting Point: | 175-180 °F |
| Vapor Pressure: | Not established |
| Vapor density: | Not applicable |
| Evaporation rate: | Not applicable |
| Water/Oil Partition coefficient | Not established |
| VOC content: | No levels of volatile organic compound emissions are expected at ambient temperature and pressure. Low molecular weight hydrocarbons may be emitted at application temperature. Emissions data is best developed by monitoring actual plant conditions. |

10. STABILITY AND REACTIVITY DATA

| | |
|----------------------------------|-----------------|
| Stability: | Stable |
| Incompatibility | Not established |
| Hazardous Decomposition: | Not established |
| Hazardous Polymerization: | Will not occur. |

BRACKETT

108526 Hot Melt

June 22, 2015

***** MATERIAL SAFETY DATA SHEET *****

Page 4 of 5

11. TOXICOLOGICAL INFORMATION

No data available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulation 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirements.

14. TRANSPORT INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

Dot Proper Shipping Name: NOT REGULATED

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Page 5 of 5

15. REGULATORY INFORMATION

FEDERAL

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SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title iii of the Supervened Amendments and Reauthorization Act of 1986 (SARA) AND 40 CFR part 372

STATE REGULATIONS

California Proposition 65: Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986.

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

WHMIS IDENTIFICATION / OTHER INTERNATIONAL REGULATIONS

Not determined

16. ADDITIONAL INFORMATION

HMIS RATING

Health-1 Flammability-1 Reactivity-0

See SECTION 8: ESPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Revision Date: June 22, 2015



Safety Data Sheet

Printed: 4/8/2015

1. PRODUCT IDENTIFICATION

| | | | |
|----------------------------|--|--|--|
| Product name: | 108527 | Contact information: | |
| Product type: | Hot Melt adhesive | Telephone: | (785) 862-2205 |
| Restriction of Use: | None identified | Fax #: | (785) 862-1127 |
| Company Address: | Brackett, Inc. 7115 SE Forbes Ave. Topeka, KS 66619 | Internet: | brackett@brackett-inc.com |
| | | TRANSPORT EMERGENCY phone: CHEMTREC | |
| | | | 1-800-424-9300 (toll free) or 1-703-527-3887 |

2. HAZARDS IDENTIFICATION

| HAZARD CLASS | HAZARD CATEGORY |
|-----------------|-----------------|
| SKIN IRRITATION | 1 |
| EYE IRRITATION | 1A |
| | |
| | |

HAZARD STATEMENT(S)

MOLTEN MATERIAL MAY CAUSE SEVERE BURNS.
VAPORS ABOVE MOLTEN ADHESIVE MAY CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION
STATIC CHARGES GENERATED BY EMPTYING PACKAGE IN OR NEAR FLAMMABLE VAPORS MAY CAUSE IGNITION.

PICTOGRAM (S)



Precautionary Statements

Prevention: Do not breathe dust or fumes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use in well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves. In case of inadequate ventilation wear respiratory protection.

Response:
 IF ON SKIN: Wash with plenty of soap and water.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a poison center or physician. Take off contaminated clothing.

Storage: Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local government regulations.

Classification complies with OSHA Hazard Communication Standard (23 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENT (s) | CAS NUMBER | PERCENTAGE |
|-------------------------|------------|------------|
| None | | |

4. FIRST AID MEASURES

- Inhalation:** Move to fresh air. Continuous breathing of vapors above molten material may cause irritation. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.
- Skin contact:** Cover affected areas with clean sheeting or gauze and seek immediate medical attention. Contact with molten material may cause severe burns. Immediately cool affected skin as long as possible with cold water. Do not remove clothing if adhering to skin. No attempt should be made to remove solidified molten material from skin or to remove contaminated clothing as damaged skin can be easily torn. Get immediate medical attention.
- Eye contact:** Rinse immediately with plenty of water, also under the eyelids. Contact with molten material: Cool with cold water immediately. Do not remove adhesive. Get immediate medical attention.
- Ingestion:** If material is ingested, immediately contact a physician or poison control center.

5. FIRE FIGHTING MEASURES

- Flash point:** Not applicable
- Auto ignition temperature:** Not applicable
- Flammable/Explosive limits - lower:** Not applicable
- Flammable/Explosive limits - upper:** Not applicable
- Extinguishing media:** Use extinguishing measures appropriate to local circumstances and the surrounding environment. Foam, dry chemical or carbon dioxide.
- Special firefighting procedures:** Keep unnecessary personnel away. Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.
- Unusual fire or explosion hazards:** None expected.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Prevent contamination of soil and water.
- Clean-up methods:** Wear suitable protective clothing, gloves and eye/face protection. Avoid skin contact and inhalation of vapors during disposal of spills. Place in container for disposal with accordance with federal, state and local regulations.
- Combustion products:** Oxides of carbon, oxides of nitrogen, irritating organic vapors.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Keep container closed. Do not breathe gas/fumes/vapor/spray.

Storage: Keep container closed in a dry, cool, and well -ventilated place.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering controls: Work should be done in an adequately ventilated area. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------|
| Physical state: | Solid |
| Color: | Light Amber |
| Odor: | Typical |
| Odor Threshold: | Not available |
| Vapor pressure: | Not available |
| Boiling point/range: | Not applicable |
| Melting point/ range: | 172-175 °F |
| Specific gravity: | <0.95 |
| Flash point: | >232 °C |
| Flammable/Explosive limits - lower: | Not available |
| Flammable/Explosive limits - upper: | Not available |
| Auto ignition temperature: | Not available |
| Evaporation rate: | Not applicable |
| VOC content: | 0% |
| Viscosity: | 1800-2200cps @ °F |
| Decomposition temperature: | Not available |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Carbon monoxide (CO), Carbon Dioxide (CO ₂) |
| Incompatible materials: | Strong oxidizing agents |
| Reactivity: | Not available |
| Conditions to avoid: | Avoid moisture. Prolonged heating at temperature above 150 °C. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Relevant routes of exposure: | Molten adhesive, skin, eyes. |
| Potential Health Effects/Symptoms | |
| Inhalation: | Dusts from solid adhesive may cause irritation. Continuous breathing of vapors above molten adhesive may irritate mucous membranes. |
| Skin contact: | Solid adhesive has no hazards. Molten adhesive may cause severe burns. |
| Eye Contact: | Can cause mechanical irritation if dusts are generated. Molten adhesive in eyes will cause severe burn and permanent damage. |
| Ingestion: | Not expected under normal conditions of use. Expected to be low in toxicity. |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|---------------|
| Ecological information: | Not available |
|--------------------------------|---------------|

13. DISPOSAL CONSIDERATIONS

| | |
|--|---|
| Recommended method of disposal: | Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. |
| Hazardous waste number: | Not a RCRA hazardous waste. |

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/information itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

| | |
|----------------------------------|---------------|
| Proper shipping name: | Not regulated |
| Hazard class or division: | None |
| Identification number: | None |
| Packing group: | None |

International Air Transportation (ICAO/IATA)

| | |
|----------------------------------|---------------|
| Proper shipping name: | Not regulated |
| Hazard class or division: | None |
| Identification number: | None |
| Packing group: | None |

Water Transportation (IMO/IMDG)

| | |
|----------------------------------|---------------|
| Proper shipping name: | Not regulated |
| Hazard class or division: | None |
| Identification number: | None |
| Packing group: | None |

15. REGULATORY INFORMATION

United States Regulatory Information

| | |
|--|---|
| TSCA 8 (b) Inventory Status: | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. |
| TSCA 12(b) Export Notification: | None above reporting de Minimis |
| CERCLA/SARA Section 302 EHS: 311/312: | None CERCLA/SARA Section Immediate Health |
| CERCLA/SARA 313: | None above reporting de Minimis |

California Proposition 65:

No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed or are exempt from listing on the Domestic Substances List.

WHMIS hazard class:

Non-controlled

16. OTHER INFORMATION

This safety data sheet contains change from the previous version in sections:

New Safety data Sheet format.

Prepared by: G. Hn
Issue Date: 4/8/2015

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Brackett, Inc. does not assume responsibility for any results obtained by persons over whose methods Brackett, Inc. has no control. It is the user's responsibility to determine the suitability of Brackett, Inc. products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Brackett, Inc. products. In light of the foregoing, Brackett, Inc. specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Brackett products. Brackett, Inc. further disclaims any liability for consequential or incidental damages of any kind, including lost profits.