

1. Product And Company Identification

Product Name: Hot Melt Adhesive

Product Number: 84341312

Responsible Party: Chicago Glue & Machine Co.
750 Baker Drive
Itasca, IL 06143

Emergency Phone Number: 800-424-9300

Date of Preparation: December 27, 2016

Product Use: Industrial hot melt glue sticks.

2. Hazards Identification

GHS Classification: Not classified as hazardous.

GHS Label Elements: None

Hazards not otherwise specified: Molten adhesive may cause severe burns.

3. Composition/Information on Ingredients

| Component | CAS No. | Amount |
|--------------------------------------|-----------|---------|
| Non-hazardous Polymers | Mixture | 70-100% |
| Paraffin waxes and Hydrocarbon waxes | 8002-74-2 | 0-30% |
| White mineral oil | 8042-47-5 | 0-5% |

The exact concentrations are a trade secret.

4. First Aid Measures

Inhalation: None expected for solid material at ambient temperature. Molten Product: Remove to fresh air. If irritation or pulmonary symptoms develop, consult a physician.

Skin Contact: None expected for solid material at ambient temperature. Molten Product: Immediately cool with water. Do not remove solidified adhesive. No attempt should be made to remove material from skin or to remove contaminated clothing. Cover affected areas with cleans sheeting or gauze. Get immediate medical attention.

Eye Contact: None expected for solid material at ambient temperature. Molten Product: Immediately cool with plenty of water. Do not remove adhesive. Get immediate medical attention.

Ingestion: Not expected to be hazardous. Get medical attention if symptoms developed.

Most Important Symptoms: Contact with molten material may cause severe burns. Inhalation of vapors from molten material may cause minor respiratory irritation.

Indication of Immediate Medical Attention/Special Treatment: Contact with molten material may cause severe burns, otherwise immediate medical treatment should not be required.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide.

Do not use direct water jet as it may spread burning material.

Specific Hazards Arising From the Chemical: Not classified as flammable or combustible, but will burn under fire conditions. Burning may release oxides of carbon.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with molten material. Allow any molten material to solidify. Wear appropriate protective clothing and equipment as described in Section 8.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

Methods and Material for Containment and Cleaning Up: Allow any molten material to solidify. Scrape up, or pick up and place in appropriate container for disposal or reuse. Avoid generating airborne dust.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with molten material. Avoid inhalation of vapors from molten material. Use thermal protection when working with molten material.

Conditions for Safe Storage, Including Any Incompatibilities: Protect containers from physical damage. Store in a cool, well-ventilated area away from strong oxidizers and other incompatible materials. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

| CHEMICAL | EXPOSURE LIMIT |
|--------------------------------------|---|
| Non-hazardous Polymers | None Established |
| Paraffin waxes and Hydrocarbon waxes | 5 mg/m ³ TWA ACGIH TLV (as fume) |
| White mineral oil | 5 mg/m ³ TWA OSHA PEL (Oil mist) 5 mg/m ³ TWA ACGIH TLV (Inhalable) |

Appropriate Engineering Controls: General ventilation should be adequate for normal use.

Personal Protective Equipment

Respiratory Protection: Not required under normal use conditions. For operations where exposure limits may be exceeded use a NIOSH approved respirator (mask). Select in accordance with OSHA 1910.134, and all other applicable regulations; and good Industrial Hygiene practice.

Gloves: Thermal protection as needed to prevent contact with molten material.

Eye Protection: As needed to prevent contact with molten material.

Other Protective Equipment/Clothing: Thermal protection as needed to prevent contact with molten material.

9. Physical and Chemical Properties

Appearance and Odor: Light amber solid with undetermined odor.

| | |
|--|--|
| Physical State: Solid | Odor Threshold: Not determined |
| pH: Not applicable | Specific Gravity: 0.95 – 1.00 |
| Initial Boiling Point/Range: Not determined | Vapor Pressure: Not applicable |
| Melting/Freezing Point: Not determined | Vapor Density: Not applicable |
| Solubility In Water: Insoluble | Percent Volatile: Not applicable |
| Viscosity: Not applicable | Evaporation Rate: Not applicable |
| Coefficient Of Water/Oil Distribution: Not determined | VOC Content: 0 |
| Flash Point: Not applicable | Autoignition Temp: Not Determined |
| Decomposition Temperature: Not determined | Flammability (solid, gas): Not applicable |
| Flammability Limits: LEL: Not applicable | UEL: Not applicable |

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: None expected with normal use.
Conditions To Avoid: None known.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: May release oxides of carbon.

11. Toxicological Information

Acute Hazards:

Inhalation: Vapors may cause mild irritation.
Skin Contact: No adverse effects expected from contact with product at room temperature. Hot adhesive will cause severe burns.
Eye Contact: No adverse effects expected from contact with product at room temperature. Hot adhesive will cause severe burns.
Ingestion: No adverse effects expected. This product is not acutely toxic by ingestion
Chronic Hazards: None currently known.
Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, or OSHA.

Acute Toxicity Values:

| | |
|---------------------------------------|---|
| Product ATE | LD50 Oral >5,000 mg/kg LD50 Dermal >2,000 mg/kg |
| Non-hazardous Polymers: | Not acutely toxic. |
| Paraffin waxes and Hydrocarbon waxes: | LD50 Oral rat >5,000 mg/kg LD50 Dermal rat >2,000 mg/kg |
| White mineral oil: | LD50 Oral rat >5,000 mg/kg LD50 Dermal rabbit >2,000 mg/kg |

12. Ecological Information

Ecotoxicity:

No data for product.
 Paraffin waxes and Hydrocarbon waxes:
 LL50 Oncorhynchus mykiss >100 mg/L/96 hr.
 EL50 Daphnia magna (Water flea) >10,000 mg /L/48 hr.
 White mineral oil:
 LL50 Oncorhynchus mykiss >100 mg/L/96 hr.
 LL50 Daphnia magna (Water flea) >100 mg /L/48 hr.

Persistence and Degradability:

No data for product.
Paraffin waxes and Hydrocarbon waxes: 31% in 28 days.
White mineral oil: 31% in 28 days.

Bio accumulative Potential:

No data for product.

Mobility in Soil:

No data for product.

Other Adverse Effects: No data available

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations.

14. Transport Information

DOT Hazardous Materials Description:

Proper Shipping Name: Not Regulated
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

15. Regulatory Information

United States:

CERCLA Section 103: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

California Proposition 65: This product contains the following chemicals which are known to the State of California to cause cancer, reproductive toxicity or birth defects: None

16. Other Information

Date of current revision: December 27, 2016
Revision summary: New SDS
Date of previous revision: N/A