Section 1 - Product and Company Identification

**Product Name:** Christy's HD50 Bituminous Tar Mastic

**Supplier and Manufacturer:** Christy Enterprises, Inc.
65 East Ball Road, Anaheim, CA 92805-5910
Tel: 1-714-507-3300 (North America)
Tel: 1-714-507-3300 (International)

**Emergency:** Transportation/Medical Issues: Tel. 800.535.5053 INFOTRAC

Section 2 - Hazards Identification

**GHS Classification:**
- **Health:**
  - Carcinogenicity: Category 1B
  - Reproductive Toxicity: Category 1
  - Specific Target Organ: Category 1
- **Physical:**
  - Flammable Liquid/Aerosol/Gas: Category 2
- **Signal Word:** DANGER
- **Hazard Statements:**
  - H225: Highly flammable liquid and vapor
  - H303: May be harmful if swallowed
  - H361: Suspected of damaging fertility or the unborn child
- **Precautionary Statements:**
  - P201: Obtain special instructions before using.
  - P202: Do not handle until all safety precautions have been read and understood.
  - P203: Keep away from heat, open flames, and no smoking.
  - P232: Keep container tightly closed.

Section 3 - Composition/Information on Ingredients

- **CAS**
  - Silica, Quarts: 14802-60-7
  - Petroleum Asphalt: 8052-42-4
  - Toluene: 108-86-3
  - Bitumen: 64742-94-4
  - Petroleum Distillate: 64742-88-7

Section 4 - First Aid Measures

- **Contact with Eyes:** Rinse eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.
- **Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water; if irritation develops, seek medical advice.
- **Inhalation:** If breathed, give artificial respiration. Seek medical advice.
- **Ingestion:** Do not induce vomiting. Consult physician immediately.

Section 5 - Firefighting Measures

- **Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide gas, foam. Heat as a Class B fire.
- **Unsuitable Extinguishing Media:** Water spray, steam. If water is used, use fog nozzle to avoid creating a vapor cloud.
- **Combustion Products:** Carbon monoxide, carbon dioxide, hydrogen chloride, smoke.
- **Protection for Firefighters:** Use self-contained breathing apparatus or full face positive pressure air mikes, 4-7000 psi.

Section 6 - Accidental Release Measures

- **Personal Precautions:** Keep away from heat, sparks, open flames. Avoid breathing of vapor, avoid contact with eyes, skin, and clothing.
- **Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil, or open water courses.
- **Methods for Cleaning:** Clean up with sand or other inert absorbent material. Transfer to a closable vessel (metal or polyethylene).

Section 7 - Handling and Storage

- **Handling:** Avoid breathing of vapor, avoid contact with eyes, skin, and clothing.
- **Storage:** Store in a well-ventilated area below 49°C (120°F) and away from direct sunlight. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protection equipment.

Section 8 - Precautions to Control Exposure / Personal Protection

- **Exposure Limits:**
  - Silica, Quarts: 0.5 mg/m3 [NIOSH] dust
  - Petroleum Asphalt: 5 ppm
  - Toluene: 200 ppm
- **Engineering Controls:** Apply technical measures to comply with the occupational exposure limits. Eye wash stations. Showers.
- **Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.
- **Personal Protective Equipment:**
  - **Eye Protection:** Avoid contact with eyes, splash proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc., as may be appropriate for the exposure.
  - **Skin Protection:** Avoid contact with the skin as much as possible. Polyethylene or PVA coated rubber gloves should be used for frequent or prolonged exposure.
  - **Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

Section 9 - Disposal Considerations

- **Disposal:** Dispose of contents/container to an approved waste disposal plant.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, Heavy syrupy liquid
Odor: Tar
Melting Point: Not determined
Boiling Point: Not determined
Flash Point: 21°C (70°F) Seta flash
Specific Gravity: Not determined
Solubility: Not determined
Partition Coefficient n-octanol/water: Not Available
Auto-Ignition Temperature: Not determined
Decomposition Temperature: Not determined

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact
Acute symptoms and effects:
- Inhalation: May cause nausea, dizziness, headache, weakness and fatigue. Extreme exposure can result in unconsciousness and even respiratory arrest.
- Eye Contact: May cause irritation
- Skin Contact: May cause irritation
- Ingestion: May cause nausea, intestinal irritation, diarrhea. Aspiration of vomitus can cause chemical pneumonitis, which can be fatal

Chronic (long-term) effects: Prolonged overexposure may cause permanent brain and nervous system damage and dust disease of the lungs.

Carcinogenicity:
- Butylene (64742-93-4): IARC Group 2B Possibly carcinogenic to humans
- Petroleum Asphalt (8052-42-4): IARC Group 2B Possibly carcinogenic to humans
- Toluene (108-88-3): IARC Group 3 Not classifiable as to its carcinogenicity to humans
- Slica, Quarts (14808-69-7): IARC Group 1 Carcinogenic to Humans

Toxicity:
- LDC: Oral: 500 mg/kg (rat) N/A
- Petroleum Asphalt: Oral: 5000 mg/kg, Dermal: 2000 mg/kg N/A
- Toluene: Oral: 2600 g/kg (rat), Dermal: 12000 g/kg (rabbit) Inhalation LC50: 4 hrs, 12.5 mg/L (rat)
- Bitumen: Oral: 5000 mg/kg (rat), Dermal: 2000 mg/kg (rabbit)
- Petroleum Distillate: Oral: 5000 mg/kg (rat), Dermal: 3000 mg/kg (Rabbit) Inhalation LC50: 4 hrs, 5.28 mg/L (rat)
- Mineral Spirits: Oral: 2000 mg/kg (rat), Dermal: 2000 mg/kg (rabbit) Inhalation LC50: 4 hrs, 10-20 g/L (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations. Incinerate only in approved facility. Do not incinerate closed containers.

SECTION 14 - TRANSPORT INFORMATION

DOT, IATA, ADR, IMDG SHIPPING INFORMATION

Proper Shipping Name: Paint DOT/IMDG EXCEPTION: Case quantities of cement in containers of less than one liter may be shipped as LIMITED QUANTITY when properly labeled and marked.
Hazard Class: 3 Secondary Risk: None ICINGDATA: May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.
Identification Number: UN 1263 Packing Group: II Label Required: Flammable Liquid TDG Information: FLAMMABLE LIQUID 3
Marine Pollutant: This material may meet definition of a marine pollutant UN NUMBER: 1263, PG II

SECTION 15 - REGULATORY INFORMATION

CERCLA

<table>
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<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Reportable Quantity (RQ)</th>
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<tbody>
<tr>
<td>Toluene (108-88-3)</td>
<td>1 lb.</td>
<td>1 lb. Trail / 0.454 kg Trail</td>
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SARA 313

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<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values %</th>
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California Proposition 65

<table>
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<th>California Proposition 65</th>
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<tr>
<td>Toluene</td>
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<tr>
<td>Bitumen</td>
<td>X</td>
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<tr>
<td>Slica, Quartz</td>
<td>X</td>
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<tr>
<td>Petroleum Asphalt</td>
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CWA (Clean Water Act)

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<tr>
<th>Chemical Name</th>
<th>Reportable Quantity</th>
<th>Toxic Pollutants</th>
<th>Priority Pollutants</th>
<th>Hazardous Substances</th>
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<tbody>
<tr>
<td>Toluene</td>
<td>1000 lb.</td>
<td>X</td>
<td>X</td>
<td>X</td>
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SECTION 16 - OTHER INFORMATION

Specification Information:
Department issuing data sheet: Environmental Health & Safety All ingredients are compliant with the requirements of the European Union
e-mail address: <EHSInfo@tchristy.com> Directive on RoHS (Restriction of Hazardous Substances)

Training necessary: Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue: OCT 2015 Updated GHS Information
Intended Use of Product: Covering for exposed metals

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.