

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Christy's® HD50 Bituminous Tar Mastic **SYNONYMS:**  
**PRODUCT USE:** Coating for Bare Metal  
**SUPPLIER and MANUFACTURER:** T Christy Enterprises, Inc.  
 655 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	Health	Physical
Carcinogenicity Category 1B	Acute Toxicity (Oral) Category 4	Flammable Liquid/Aerosol/Gas: Category 2
Reproductive Toxicity Category 2	Skin Corrosion/ Irritation Category 2	
Specific Target Organ Category 1B	Aspiration Toxicity Category 1	

Signal Word: **DANGER**

**GHS LABEL:**



**WHMIS CLASSIFICATION:** CONTROLLED PRODUCT  
CLASS B, DIVISION 2 CLASS D, DIVISION 2B

<u>Hazard Statements</u>	<u>Precautionary Statements</u>
H225 Highly flammable liquid and vapor H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H315 Causes skin irritation H350 May cause cancer H361 Suspected of damaging fertility or the unborn child H370 Causes damage to organs through prolonged or repeated exposure	P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat/ specks/ open flames. No smoking P233 Keep container tightly closed P240 Ground and bond container and receiving equipment P241 Use explosion-proof equipment P242 Use only non-sparking tools P243 Take action to prevent static discharges P260 Do not breathe dust/fumes/gas/mist/vapors/spray P264 Wash face, hands, and any exposed skin thoroughly after handling P270 Do not eat, drink, or smoke when using this product. P280 Use personal protective equipment as required P302+P352 IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/ shower P362+P364 Wash contaminated clothing before reuse P308+P313 If exposed or concerned: Get medical advice/ attention P332+P313 If skin irritation occurs: Get medical advice/ attention P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician P331 Do not induce vomiting P330 Rinse mouth P370+P378 In case of fire: Use CO2, dry chemical, or foam to extinguish P403+P235 Store in a well-ventilated place. Keep cool P405 Store locked up P501 Dispose of contents/ container to an approved waste disposal plant.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Silica, Quartz	14808-60-7			45-50
Petroleum Asphalt	8052-42-4	232-490-9		35-40
Toluene	*108-88-3	203-625-9	01-2119471310-51-0031	5-10
Bitumen	64742-93-4	265-196-4		5-10
Petroleum Distillate	64742-88-7	265-191-7		1-5

\*This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

### SECTION 4 - FIRST AID MEASURES

**Contact with eyes:** Flush 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:** Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.  
**Ingestion:** DO NOT INDUCE VOMITING. Consult physician immediately. Aspiration of vomitus can cause chemical pneumonitis which can be fatal.  
**Symptoms:** May cause irritation to the mucous membranes and upper respiratory tract. Prolonged breathing of vapors may cause nausea, headache, weakness, and/or dizziness. May cause nausea, vomiting, stomach ache, and diarrhea. If you are allergic or have been sensitized to: epoxies, amines, isocyanates, detergents, or other chemicals, see a physician prior to use. Causes skin irritation. May be fatal if swallowed and enters airways. Causes damage to organs through prolonged or repeated exposure.

### SECTION 5 - FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Dry chemical powder, carbon dioxide gas, foam. Treat as a Class B fire	HMIS	NFPA	0-Minimal
<b>Unsuitable Extinguishing Media:</b>	Water spray or stream.	Health	1	1-Slight
<b>Exposure Hazards:</b>	Carbon monoxide, carbon dioxide, hydrogen chloride and smoke	Flammability	3	2-Moderate
<b>Combustion Products:</b>	Carbon monoxide, carbon dioxide, hydrogen chloride and smoke	Reactivity	0	3-Serious
<b>Protection for Firefighters:</b>	Self-contained breathing apparatus or full-face positive pressure airline masks.			4-Severe

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Keep away from heat, sparks and open flame.  
 Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.  
 Prevent contact with skin or eyes (see section 8).  
**Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.  
**Methods for Cleaning up:** Clean up with sand or other inert absorbent material. Transfer to a closable vessel (Metal or polyethylene [PE])  
**Materials not to be used for clean up:** Liquid(s)

### SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.  
Do not eat; drink or smoke while handling.

**Storage:** Store in ventilated room or shade below 49°C (120°F) and away from direct sunlight.  
Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.  
Follow all precautionary information on container label and product bulletins. Keep Containers closed when not in use.

## SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
	Silica, Quartz	.025 mg/m3	0.1 mg/m3	50 mg.m3
	Petroleum Asphalt	0.5 mg/m3		5 mg.m3
	Toluene	20 ppm	200 ppm	500 ppm

**Engineering Controls:** If ventilated cabinet, enclosure or fume hood is necessary, average airflow should be at least 100 FPM (50.8 cm/sec).

**Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.

**Personal Protective Equipment (PPE):**

**Eye Protection:** Avoid contact with eyes, wear 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:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Refer to 20CFR 1910.138 for appropriate skin and body protection

**Respiratory Protection:** All workers and bystanders must be protected from exposure above established limits. Avoid breathing vapors, spray, mist, or sanding dust. Application by brush, roller, squeegee, or trowel will result in the lowest release of hazardous material. When spray applied in outdoor or open area, use NIOSH/MSHA approved mechanical filter respirators. When used in restricted areas, wear NIOSH/MSHA chemical/ mechanical filter respirators. When in confined spaces, use NIOSH/MSHA approved air supply respirator or hoods. Use NIOSH/MSHA approved respirators when flame cutting, welding, brazing or sanding material coated with his product. The fumes from these operations can be hazardous. Do not breathe them. Always use adequate ventilation.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Black, Heavy syrupy liquid	<b>Odor Threshold:</b>	N/D
<b>Odor:</b>	Characteristic of solvents	<b>Boiling Range:</b>	N/A
<b>P.H.</b>	Not Applicable	<b>Evaporation Rate:</b>	Slower than Ether
<b>Melting/Freezing Point:</b>	N/D	<b>Flammability:</b>	Category 2
<b>Boiling Point:</b>	N/A	<b>Flammability Limits:</b>	LEL: N/A UEL: N/A
<b>Flash Point:</b>	21°C (70°F) Seta flash	<b>Vapor Pressure:</b>	N/D
<b>Specific Gravity</b>	N/D	<b>Vapor Density:</b>	Heavier than air
<b>Solubility:</b>	Negligible	<b>Other Data: Viscosity:</b>	Heavy bodied
<b>Partition Coefficient n-octanol/water:</b>	N/D		
<b>Auto-ignition Temperature:</b>	N/D		
<b>Decomposition Temperature:</b>	N/D		
<b>VOC Content :</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A,VOC content is: ≤94 g/l.		

## SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions
<b>Hazardous decomposition products:</b>	Nitric acids, Ammonia, Nitrogen oxides can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide, Aldehydes. Flammable hydrocarbon fragments. Nitrosamine. Organic acid vapors.
<b>Conditions to avoid:</b>	Mixed product should not be kept in quantities greater than 3-6 pounds weight longer than 25 to 35 minutes at high ambient temperatures. The product reacts quickly when in large mixed masses and develops heat quickly. It is possible for the mas to reach decomposition temperature and give off dangerous gases. Always pour the material out in thin thickness (1/4 inch or less) to avoid the mass reaction.
<b>Incompatible Materials:</b>	strong oxidizing agents

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact

<b>Acute symptoms and effects:</b>	<b>Inhalation:</b> Avoid breathing vapors or mists.
	<b>Eye Contact:</b> Avoid contact with eyes
	<b>Skin Contact:</b> Causes skin irritation. May be harmful in contact with skin.
	<b>Ingestion:</b> Harmful if swallowed

### Carcinogenicity

Silica, Quartz (14808-60-7)	ACGIH A2, IARC Group 1 Carcinogenic to humans
Bitumen (64742-93-4)	IARC GROUP 2A Probably carcinogenic to humans
Petroleum, Asphalt (8052-4)	IARC Group 2B Possibly carcinogenic to humans
Toluene (108-88-3)	IARC Group 3 Not classifiable as to its carcinogenicity to humans

<b>Toxicity:</b>	LD50	LC50
Silica, Quartz	Oral: 500 mg/kg (rat)	N/A
Petroleum Asphalt	Oral: 5000 mg/kg, Dermal: 2000 mg/kg	N/A
Toluene	Oral: 2600 mg/kg (rat), Dermal 1200 mg/kg (rabbit)	= 2.5 mg/L (rat) 4h
Bitumen	Oral: 5000 mg/kg (rat), Dermal: 2000 gm/kg (rabbit)	
petroleum Distillate	Oral: >5000 mg/kg (rat), Dermal >3000 mg/kg (rabbit)	> 5.28 mg/L (rat) 4h

Reproductive Effects	Teratogenicity	Mutagenicity	Carcinogenicity	Sensitization to Product	Synergistic Products
Probable	Poss.	Poss.	Probable	Not Applicable	Not Available

## 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, IMO/IMDG SHIPPING INFORMATION

<b>Proper Shipping Name:</b>	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.
<b>Hazard Class:</b>	3	
<b>Secondary Risk</b>	None	ICAO/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.
<b>Identification Number:</b>	UN 1263	
<b>Packing Group:</b>	II	
<b>Label Required:</b>	Flammable Liquid	

### TDG INFORMATION

TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	Paint

**SECTION 15 - REGULATORY INFORMATION**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECDC	KECL	PICCS	AICS
Silica, Quartz	Present	X		Present		Present	X	Present	X	X
Petroleum Asphalt	Present	X		Present		Present	X	Present	X	X
Toluene	Present	X		Present		Present	X	Present	X	X
Bitumen	Present	X		Present		Present	X	Present	X	X
Petroleum Distillate	Present	X		Present		Present	X	Present	X	X

CERCLA	Chemical Name	Hazardous Substances RQ's	CERCLA/ SARA RQ	Reportable Quantity (RQ)
	Toluene 108-88-3	1 lbs.		RQ 1lb final RQ 0.454 kg final RQ

SARA 313	Chemical Name	CAS No	Weight	SARA 313 - Threshold Values %
	Toluene	108-88-3	10-May	1.0

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lbs.	X	X	X

**California Prop 65**

Chemical Name	California Proposition 65
Silica, Quartz 14808-60-7	Carcinogen
Toluene 108-88-3	Developmental Female Reproductive

**U.S. State Right-To-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Silica, Quartz 14808-60-7	X	X	X
Petroleum Asphalt 8052-42-4	X	X	X
Toluene 108-88-3	X	X	X
Bitumen 64742-93-4	X		
Petroleum Distillate 64742-88-7	X		

**SECTION 16 - OTHER INFORMATION****Specification Information:****Department issuing data sheet:**

Environmental Health &amp; Safety

All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

**e-mail address:**

&lt;EHSinfo@tchristy.com&gt;

**Training necessary:**

Yes, training in practices and procedures contained in product literature.

**Reissue date / reason for reissue:**

FEB 2016/ New 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.