



## SAFETY DATA SHEET

Christy's® HD50 Bituminous Tar Mastic

Date Revised: OCT 2015  
Supersedes: APR 2015

### 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	Physical
Carcinogenicity Category 1B	Flammable Liquid/Aerosol/Gas: Category 2
Reproductive Toxicity Category 2	
Specific Target Organ Category 1	

**GHS LABEL:**



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

Signal Word: **DANGER**

Hazard Statements	Precautionary Statements
H225 Highly flammable liquid and vapor H303 May be harmful if swallowed H305 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 H372 Cause damage to organs through prolonged or repeated exposure H412 Harmful to aquatic life with long lasting effects.	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/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 skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product P273 Avoid release to the environment. P281 Use personal protective equipment as required. P330 Rinse mouth P331 Do not induce vomiting P363 Wash contaminated clothing before reuse. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P332+P313 If skin irritation occurs: Get medical advice/ attention P303+P361+P353 IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/ shower P308+P313 If exposed or concerned: Get medical advice/ attention 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 Pre-registration Number	CONCENTRATION % by Weight
Silica, Quarts	14808-60-7			45-50
Petroleum Asphalt	8052-42-4			35-40
Toluene	108-88-3			5-10
Bitumen	64742-93-4			5-10
Petroleum Distillate	64742-88-7			1-5

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.

### 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.  
**Most important symptoms and effects:** 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. If water is used, fog nozzle is preferable	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	0 3-Serious
<b>Sensitivity to Static Discharge:</b>	Take precautionary measures against static discharge.			
<b>Protection for Firefighters:</b>	Self-contained breathing apparatus or full-face positive pressure airline masks.			4-Severe

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	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).
<b>Environmental Precautions:</b>	Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
<b>Methods for Cleaning up:</b>	Clean up with sand or other inert absorbent material. Transfer to a closable vessel (Metal or polyethylene [PE])
<b>Materials not to be used for clean up:</b>	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	NIOSH IDLH	OSHA PEL
	Silica, Quartz	.025 mg/ m3	50 MG/ M3	
	Petroleum Asphalt	5 ppm	5 mg/m3	5 ppm
	Toluene	20 ppm	500 ppm	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 (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:** Prevent contact with the skin as much as possible. Polyethylene or PVA coated rubber gloves should be used for frequent immersion.  
Use of latex/nitrile surgical gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

**Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or 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.  
With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:	Black, Heavy syrupy liquid		
Odor:	Tar		
P.H.	Not Applicable		
Melting/Freezing Point:	Not determined		
Boiling Point:	not available		
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		
VOC Content :	When applied as directed, per SCAQMD Rule 1168, Test Method 316A,VOC content is: ≤ 94 g/l.		
SECTION 10 - STABILITY AND REACTIVITY			
Stability:	Stable		
Hazardous decomposition products:	Nitric acid, Ammonia, Nitrogen oxides, Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide. Aldehydes. Flammable hydrocarbon fragments. Nitrosamine. Organic acid vapors.		
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.		
Incompatible Materials:	Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.		
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			
	Bitumen (64742-93-4)		
	IARC Group 2A Probably 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		
	Silica, Quarts (14808-60-7)		
	IARC Group1 Carcinogenic to Humans		
Toxicity:	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 g/kg (rat), Dermal: 12000 g/kg (rabbit)	Inhalation LCLO, 4 hrs, 12.5 mg/L (rat)	
Bitumen	Oral: 5000 mg/kg (rat), Dermal: 2000 gm/kg (rabbit)		
Petroleum Distillate	Oral: 5000 mg/kg (rat) Dermal: 3000 mg/kg (Rabbit)	Inhalation LCLO, 4 hrs, 5.28 mg/L (rat)	
Mineral Spirits	Oral:>2000 mg/kg (rat), Dermal:>2000 mg/kg (rabbit)	Inhalation LCLO, 4 hrs, 10-20 g/L (rat)	
Reproductive Effects		STOT- repeated exposure	Aspiration hazard
Suspected of damaging fertility or the unborn child		Causes damage to organs through prolonged or repeated exposure.	May be fatal if swallowed and enters airways
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/MDG 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	ICAQ/IATA May be shipped by air as CONSUMER COMMODITY, ID 8000 when properly packaged, labeled and marked.	
Secondary Risk	None		
Identification Number:	UN 1263		
Packing Group:	II	TDG INFORMATION	
Label Required:	Flammable Liquid	TDG CLASS:	FLAMMABLE LIQUID 3
		SHIPPING NAME:	Paint
Marine Pollutant:	This material may meet definition of a marine pollutant	UN NUMBER:	1263, PG II
SECTION 15 - REGULATORY INFORMATION			
CERCLA			
	Chemical Name	Hazardous Substances RQs	Reportable Quantity (RQ)
	Toluene (108-88-3)	1 lb.	1 lb. final / 0.454 kg final
SARA 313			
	Chemical Name	CAS No	Weight %
	Toluene (108-88-3)	108-88-3	5 - 10
			SARA 313 - Threshold Values %
			1
California Proposition 65			
	Chemical Name	California Proposition 65	
	Silica, Quartz	Carcinogen	
	Toluene	Developmental Female Reproductive	
CWA (Clean Water Act)			
	Chemical Name	Reportable Quantity	Toxic Pollutants
	Toluene	1000 lb.	X
			Priority Pollutants
			X
			Hazardous Substances
			X
SECTION 16 - OTHER INFORMATION			
Specification Information:			
Department issuing data sheet:	Environmental Health & Safety		All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
e-mail address:	<EHSinfo@tchristy.com>		
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.			