

**THE TAPECOAT COMPANY**

**MATERIAL SAFETY DATA SHEET**

Provided by: **The Tapecoat Company**  
**1527 Lyons Street**  
**Evanston, IL 60204**  
**Phone: 847-866-8500**

This form is designed to meet the requirements of the U.S. Labor Department OSHA form no.174.

**SECTION I - PRODUCT IDENTIFICATION**

Product Name: **TC-Mastic, Brush Applied**  
 Producer: Tapecoat/Royston Pipeline Products Telephone: 847-866-8500  
**24-Hour Emergency Assist: Chemtrec Telephone: 800-424-9300**

**Chemical Name:** N/A  
**Chemical Family:** Bitumen  
**Formula:** N/A

<b>HMIS/NFPA HAZARD RATINGS:</b>	
Health Hazard:	2
Flammability Hazard:	3
Reactivity Hazard:	0

**SECTION II - HAZARDOUS COMPONENTS**

<b>Ingredient (CAS No.)</b>	<b>Weight %</b>	<b>Vapor Pressure mm Hg 20°C</b>	<b>SARA 313 List</b>	<b>LD50</b>	<b>LC50</b>
Parachlorobenzotri- -flouride (PCBTF) (98-56-6)	20-30	5.3 mm @ 20 C	no	>6.8 g/kg rat, oral	4479 ppm rat
Coal Tar Pitch [Bitumen] (65996-93-2) (8007-42-2)	30-50	N/A	no	6.2 g/kg rat, oral	17 mg/m3 rat
Toluene (108-88-3)	20-30	22 mm @ 20 C	yes	636 mg/kg rat, oral	49 g/m3 rat
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Epoxy Resin (25036-25-3)	1-5	N/A	no	>5,000 mg/kg rat, oral	N/E
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Mica (12001-26-2)	5-10	N/A	no	N/E	N/E
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Talc (14807-96-6)	1-5	N/A	no	N/E	N/E
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Methyl Ethyl Ketone (78-93-3)	1-5	78 mm @ 20 C	yes	2737 mg/kg rat, oral	23,500 mg/m3 rat

**SECTION III - PHYSICAL DATA**

<b>Boiling Point Range:</b> 174-282°F	<b>Percent Volatile by Volume:</b> 44-55
<b>Vapor Pressure:</b> see section II	<b>Evap. Rate, N-Butyl Acetate = 1:</b> 3.0
<b>Vapor Density (air = 1):</b> 4.54	<b>Appearance and Odor:</b> Black thixotropic material, aromatic odor
<b>Solubility in Water:</b> Negligible	<b>Specific Gravity:</b> 1.177

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** 40°F Tag Closed Cup

**Flammable Limits:** LEL: 1.8% UEL: 11.5%

**Extinguishing Media:** Carbon dioxide, dry chemical or foam

**Special Fire Fighting Procedures:** Use water spray to cool fire exposed surfaces and to protect personnel. Pressure-demand, self-contained respiratory protection should be provided for fire fighters in buildings or confined spaces where this product is stored.

**Unusual Fire and Explosion Hazards:** At high temperatures this product decomposes to give off toxic and irritating vapors such as chlorine and flourine. If storage containers are exposed to excessive heat, over-pressurization of the containers can result.

**Sensitivity to Static Discharge:** Expected to be sensitive to static discharge when vapors are present between lower and upper explosive limits.

**Sensitivity to Mechanical Impact:** Stable

SECTION V - HEATH HAZARD DATA

**Permissible Exposure Level:**

Ingredient (CAS No.)		OSHA PEL-TWA CFR29	ACGIH TLV-TWA
Parachlorobenzenotri-flouride (98-56-6)	25 ppm (CEL)	5.0 mg/m3	No Data
Coal Tar Pitch [Bitumen] (65996-93-2) (8007-42-2)		0.2 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>
Toluene (108-88-3)		200 ppm	50 ppm
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Epoxy Resin (25036-25-3)		5 mg/m3	No Data
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Mica (12001-26-2)		10 mg/m3	3 mg/m3
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Talc (14807-96-6)		2 mg/m3	2 mg/m3
Methyl Ethyl Ketone (78-93-3)		200 ppm	200 ppm

**Effects of Overexposure:**

- **Eyes:** Can cause severe irritation, redness, tearing, blurred vision and severe injury.
- **Ingestion:** May cause damage to the lining of the gastrointestinal tract, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which is fatal. Swallowing of large amounts may cause liver and kidney damage based on animal studies.
- **Inhalation:** May produce symptoms of central nervous system depression, including headache, dizziness, nausea, fatigue, loss of balance and drowsiness, possible unconsciousness and even death. Excessive inhalation may cause liver and kidney damage based on animal studies.
- **Skin:** Prolonged or repeated contact with skin may cause moderate irritation, reddening, swelling defatting and dermatitis, and with poor hygiene practices to skin cancer.

**Systemic and other effects:** Signs and symptoms of excessive exposure may be central nervous system effects. Observations in animals include liver and kidney effects.

**Carcinogenicity:** Coal Tar Pitch

**Reproductive / Developmental:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. Toluene

**Mutagenicity:** Coal Tar Pitch

**Sensitization to Product:** This product contains agents that may sensitize skin to sunlight and cause sunburn-type reaction or other allergic responses. Use protective cream on exposed skin where necessary to help prevent these reactions.

**Emergency and First Aid Procedures:**

- **Eyes:** Remove contact lenses. Flush with water for at least 15 minutes lifting upper and lower lids and seek immediate medical attention.
- **Ingestion: Do not induce vomiting.** This material is not soluble. Do not give fluids. If spontaneous vomiting is inevitable, prevent aspiration by keeping the victim's head below the knees. Get immediate medical attention.
- **Inhalation:** Remove to fresh air. Call a physician if necessary. If breathing stops, begin artificial respiration. If breathing is difficult, administer oxygen.
- **Skin:** Remove with waterless hand cleaner. Wash with soap and large quantities of water. Seek medical attention if irritation from contact persists. Remove and launder contaminated clothing before reuse.

**Chemicals contained herein listed as carcinogens or potential carcinogens:**

Coal Tar Pitch

NTP: Carcinogen

IARC: Carcinogen

OSHA: Carcinogen

**SECTION VI - REACTIVITY DATA****Stability:** Stable**Conditions to Avoid:** Avoid sparks, open flames, welding arcs or other high temperature sources that induce thermal decomposition.**Incompatibility (Material to Avoid):** Avoid contact with strong oxidizing agents.**Hazardous Decomposition Products:** Gases containing Chlorine and Flourine can be produced. Oxides of Nitroge.**Hazardous Polymerization:** Will not occur.**SECTION VII - SPILL OR LEAK PROCEDURES****Steps to be taken in case material is released or spilled:** Keep people away. Remove all sources of ignition. Recover free liquid. Add absorbent to spill area. Avoid breathing vapors. Ventilate enclosed spaces. Keep out of streams and sewers. Scoop up materials with non-sparking tools.**Waste disposal method:** Dispose of in accordance with all Federal, State, and local regulations.**SECTION VIII - SPECIAL PROTECTION INFORMATION****Respiratory Protection:** Use a NIOSH/MSHA approved air supplied respirator following manufacturer's recommendations whenever an air concentration of over 50 ppm is expected. Use supplied air respirator in positive pressure mode following ANSI Z88.2-1992 for tank and confined space entry.**Eye Protection:** Chemical goggles**Ventilation:** Work in well-ventilated areas. Maintain exposure level below 50 ppm. Where engineering controls are not feasible use adequate local explosion-proof exhaust ventilation where mist, spray, or vapor may be generated.**Protective Gloves:** Solvent resistant gloves should be worn.**SECTION IX - SPECIAL PRECAUTIONS****Precautions to be taken in handling and storing:** For industrial use only. Keep out of reach of children. Keep container closed. Avoid prolonged or repeated contact with skin. Avoid breathing vapors. Do not take internally. Store in a cool place. Store in tightly closed containers away from heat, open flame, sparks or strong oxidizing agents. Use only in a well ventilated area. Use only non-sparking tools. Vapors are heavier than air and will collect in low areas such as pits. Chronic overexposure may create health risks. A component used in this product has been classified as a carcinogen.**SECTION X - NOTES**

Note: NA = not applicable  
Issue Date: 17 Jan 2007 (FF)  
Revision Date: N/A

NE = not established  
Issued By: D. Kathrein  
Review Date: 6 Mar 2007

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**All of the materials used in this product are listed on the EPA/TSCA inventory of chemical substances.**