Tapecoat®

Material Safety Data Sheet

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Chase Tapecoat
1527 Lyons Street
Evanston, IL 60201
www.chasecorp.com

Transportation Emergency
CHEMTREC: (800)424-9300
CHEMTREC International: (703)527-3887

Non-Transportation
Emergency : Call CHEMTREC
Information: 847-866-8500

Product Name
TC Mastic (Brush Applied)

Issue Date
November 26, 2012

Supersedes Date
June 13, 2012

SECTION 2 – HAZARD IDENTIFICATION

Emergency Overview
Warning! Flammable liquid and vapor. May cause central nervous system depression. May cause liver and kidney damage. Causes digestive and respiratory tract irritation. May cause skin irritation. Aspiration hazard if swallowed.
Danger! Harmful or fatal if swallowed. Causes eye irritation and possible transient injury. **Poison!** May be absorbed through skin contact. Vapor Harmful. Call physician immediately.

Target Organs: Kidneys, central nervous system, liver

Human Effects and Symptoms of Overexposure
Acute Skin
Prolonged or repeated contact with skin may cause moderate irritation, reddening, swelling defatting and dermatitis, and with poor hygiene practices to skin cancer.

Acute Eye
Can cause severe irritation, redness, tearing, blurred vision and severe injury.

Acute 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.

Acute 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.

General Effects of Exposure
Acute Effects of Exposure
Can cause severe eye irritation, redness, tearing, and blurred vision. Excessive inhalation of vapors can cause nausea, respiratory irritation, central nervous system affects, including dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness and even death. Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which is fatal.

Chronic Effects of Exposure: Prolonged and repeated skin contact can cause moderate irritation, defatting and dermatitis. Overexposure in laboratory animals has been found the cause of the following affects: Liver abnormalities, kidney damage, lung damage, and spleen damage. Overexposure to this material has been suggested as a cause for liver abnormalities in humans. Prolonged or repeated contact may lead to dermatitis, and with poor hygiene practices, to skin cancer. An Ingredient in this material has been listed as a carcinogen by IARC, NPT, QSHA, and ACGIH.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

CAS Number	Material	Weight %
98-56-6	Parachlorobenzotrifloride	20-30
08-88-3	Toluene	20-25
78-93-3	Methyl Ethyl Ketone	<5
65996-93-2	Coal Tar Pitch*	45-50
8007-42-2	Coal Tar Pitch*	<5
25036-25-3	Epoxy Resin	<5
12001-26-2	Mica	5-10
14807-96-6	Talc	<5

*Listed by IARC as a Group 1 Carcinogen
** As supplied, the ingredient(s) are bound in the mastic matrix. Because they are bound in the matrix, they are not expected to create any unusual hazards when handled and processed according to good manufacturing and industrial hygiene practices and the guidelines provided in this MSDS.

SECTION 4 – FIRST AID MEASURES

Consult Physician Immediately.

Eye Contact
Remove contact lenses. Flush eyes with large amounts of water, preferably lukewarm water, for at least 15 minutes. Refer individual to a physician or ophthalmologist for immediate follow up. **SEEK MEDICAL ATTENTION.**

Skin Contact
Repeated or prolonged contact can cause drying of skin and dermatitis. Remove contaminated clothing and launder thoroughly before reuse Wash affected skin thoroughly with soap and water. **DO NOT USE SOLVENTS** on skin as they may promote absorption of this material. For severe exposure, get under safety shower after

removing clothing, and then **SEEK MEDICAL ATTENTION** if irritation develops or persists after the area has been washed.

Inhalation
Remove victim to fresh air and provide oxygen if breathing is difficult. Move to an area free from risk of further exposure. Treat symptomatically. Administer oxygen or artificial respiration as needed. **SEEK MEDICAL ATTENTION.**

Ingestion
Do not induce vomiting. Get medical attention. If conscious, give two glasses of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of the liquid into lungs. **SEEK MEDICAL ATTENTION.**

SECTION 5 – FIREFIGHTING MEASURES

This material is flammable in presence of open flames and sparks.

Suitable Extinguishing Media
Foam, Dry chemicals, Carbon dioxide.

Special Firefighting Procedures
Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Unusual Fire/Explosion Hazard
Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures
Put on protective clothing before starting clean up. Use self-contained breathing apparatus if required. Contain spill and stop the leak at the source if safe to do so and notify appropriate authorities of the spill. Soak up small spills with a non-combustible absorbent. Remove sources of ignition. Scoop material with non-sparking tools. Do not directly flush to the sewer or surface waters, Dispose of the material in accordance with federal, state and local regulations.

SECTION 7 – HANDLING AND STORAGE

Storage Temperature
-15 – 35°C (5 – 95°F)

Storage Period
Ground all metal containers. 55 gallon drums may be stored on their sides in a cradle designed for this purpose. Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame or oxidizing materials.

Handling/Storage Precautions
Ventilate work area sufficiently. Keep containers closed. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practices.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIALS WITH LIMITS THAT REQUIRE SUPERVISION:

CAS Number	Material	8 hour TWA
98-56-6	Parachlorobenzotrifloride	20 ppm
08-88-3	Toluene	50ppm
78-93-3	Methyl Ethyl Ketone	200 ppm
65996-93-2	Coal Tar Pitch	0.2 mg/m^3
8007-42-2	Coal Tar Pitch	0.2 mg/m^3
25036-25-3	Epoxy Resin	5.0 mg/m^3
12001-26-2	Mica	10.0 mg/m^3
14807-96-6	Talc	2.0 mg/m^3

Industrial Hygiene/Ventilation Measures
General local exhaust should be used as necessary to control airborne vapors below appropriate airborne concentration standards/guidelines, especially in high heat environments.

Respiratory Protection
Respirators equipped with organic vapor cartridges are anticipated to provide adequate respiratory protection during short-term exposures to low vapor concentrations of the material. Workers should wear a supplied-air respirator or self-contained breathing apparatus any time exposure is above low levels or during extended exposure periods. Use MSHA/NIOSH-approved respiratory equipment. Respirators should be selected based on the form and concentration of the contaminant in the air and in accordance with OSHA (29 CFR 1910.134). Handle only in the presence of adequate ventilation.

Hand Protection
Appropriate solvent resistant gloves should be used. Rinse and remove gloves immediately after use, and wash hand thoroughly with soap and water. Gloves should be removed and replaced immediately if there are any signs of degradation or breakthrough.

Eye Protection
Wear safety glasses with side shields or goggles. If spraying, utilize protective facemask.

Skin and Body Protection
Wear protective clothing and boots impervious to the product for the duration of the anticipated exposure if there is a potential for skin contact. Discard any contaminated clothing.

Additional Protective Measures
Employees should wash their hands before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous Liquid
Color	Black
Odor	Aromatic
VOC Content	327g/L
pH	Not available
Boiling Point	78-110°C (174-232°F)
Flash Point	-4°C (25°F)
Lower Explosion Limit	1.8%
Upper Explosion Limit	11.5%

Vapor Pressure @ 25°C	5.3mm Hg
Specific Gravity	1.11
Solubility in Water	Insoluble
Percent Volatile (Volume)	45-55%
Autoignition Temperature	>200°C (>392°F)
Evaporation Rate	3.3 (BUAC=1)
Bulk Density	1100 kg/m^3 (9.2 lb/gal)

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization
Will not occur.

Stability
Material is stable under normal conditions.

Materials to Avoid
Strong oxidizing, acidic or alkaline materials.

Conditions to Avoid
Sparks and open flame. Non-ventilated spaces.

Hazardous Decomposition Products
Material does not decompose at normal working conditions.
By fire and thermal decomposition: carbon oxides, hazardous decomposition products due to incomplete combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity Note
May cause skin and eye irritation. Contains substances that are listed as a carcinogen, teratogen and mutagen (see below).

CAS Number	Material	DERMAL LD50	INAHALATION LC50	ORAL LD50
98-56-6	Parachlorobenzotrifloride	2,700 g/kg (Rabbit)	4,470 ppm (Rat)	>6,700 mg/kg (Rat)
08-88-3	Toluene	12.3 g/kg (Rabbit)	4,959 ppm (Rat)	7.0 g/kg (Rat)
78-93-3	Methyl Ethyl Ketone	N/E	23,500 mg/m^3 (Rat)	2,737 mg/kg (Rat)
65996-93-2	Coal Tar Pitch	N/E	17 mg/m^3 (Rat)	6,200 mg/kg (Rat)
8007-42-2	Coal Tar Pitch	N/E	17 mg/m^3 (Rat)	6,200 mg/kg (Rat)
25036-25-3	Epoxy Resin	N/E	N/E	N/E
12001-26-2	Mica	N/E	N/E	N/E
14807-96-6	Talc	N/E	N/E	N/E

CAS Number	Material	Carcinogenicity ACGIH/IARC	Teratogenicity	Mutagenicity
98-56-6	Parachlorobenzotrifloride	N/E	N/E	N/E
08-88-3	Toluene	N/E	Yes	N/E
78-93-3	Methyl Ethyl Ketone	N/E	N/E	N/E
65996-93-2	Coal Tar Pitch	Yes	N/E	Yes
8007-42-2	Coal Tar Pitch	Yes	N/E	N/E
25036-25-3	Epoxy Resin	N/E	N/E	N/E
12001-26-2	Mica	N/E	N/E	N/E
14807-96-6	Talc	N/E	N/E	N/E

N/E: Not Established

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Note
This compound is harmful to fish, Daphnia, and algae. Insoluble in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

Do not flush directly to sewer or surface waters. Incineration, landfill and biological treatment are possible methods.

Waste Disposal Method
Waste disposal should be in accordance with existing federal, state and local environmental control laws.

SECTION 14 – TRANSPORT INFORMATION

Land Transport (DOT)
UN1263 PAINT FLAMMABLE LIQUID; PACKING GROUP II

Sea Transport (IMDG)
UN1263 PAINT FLAMMABLE LIQUID; PACKING GROUP II

Air Transport (ICAO/IATA)
UN1263 PAINT FLAMMABLE LIQUID; PACKING GROUP II

SECTION 15 – REGULATORY INFORMATION

All components are listed on the TSCA Chemical Inventory.

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene
Connecticut hazardous material survey: Toluene
Illinois toxic substances disclosure to employee act: Toluene
Illinois chemical safety act: Toluene
New York release reporting list: Toluene, Methyl ethyl ketone
Rhode Island RTK hazardous substances: Toluene, Methyl ethyl ketone
Pennsylvania RTK: Toluene, Methyl ethyl ketone
Florida: Toluene
Minnesota: Toluene, Methyl ethyl ketone

Michigan critical material: Toluene
Massachusetts RTK: Toluene, Methyl ethyl ketone
Massachusetts spill list: Toluene
New Jersey: Toluene, Methyl ethyl ketone
New Jersey spill list: Toluene
Louisiana spill reporting: Toluene
California Director's List of Hazardous Substances: Toluene, Methyl ethyl ketone
TSCA 8(b) inventory: Toluene, Methyl ethyl ketone
TSCA 8(d) H and S data reporting: Toluene, Methyl ethyl ketone
SARA 313 toxic chemical notification and release reporting: Toluene, Methyl ethyl ketone
CERCLA: Hazardous substances: Toluene: 1000 lbs. (454 kg) , Methyl ethyl ketone 5000lbs. (2268 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product contains materials on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:
WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F)
CLASS D-2A: Material causing other toxic effects (VERY TOXIC)

EEC Labeling
Symbols: None
R Phases: 11, 20, 36/37
S Phrases: 9, 16, 25, 29, 33

HMIS Labeling

Health	**2**
Flammability	**3**
Physical Hazard	**0**

0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

NFPA Rating

Health	**2**
Fire	**3**
Reactivity Hazard	**0**

0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe

SECTION 16 – OTHER INFORMATION

Format
This form is designed to meet the guidelines provided by the American National Standards Institute (ANSI) Form Z400.1/Z129.1 – 2010.

Disclaimer
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Issued By
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