



CRIOUS CORP

Manufacturer: Crius Corp
 Minnetonka, MN 55305
 Emergency Phone: (877) 251-8295
 Information Phone: (877) 251-8295
 Effective Date: 2/5/2010

Section 1 - Identification

Product Name:	T-MAT	H.M.I.S	
Chemical Family	Asphalt Emulsion	Health=	0
		Fire=	0
		Reactivity=	0

Section 2 - Ingredients

Ingredients	CAS NO.	WGT%	Exposure Limits	
			OSHA PEL	A CGIH TLV
Hazardous Ingredients				
Asphalt Cement	8052-42-4	28-30	N/A	5.0 mg/m3

Listed in SARA Title III, Section 313-No.
 LC 50 -N/A
 LD 50 -N/A
 STEL -N/A

Ball Clay*	1332-58-7	16-19	N/A	5.0 mg/m3
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* Ball clays contain silica as quartz (CAS No. 14808-60-7) between 205-30% by dry weight depending upon the manufacture. OSHA PEL for Quartz is 0.1 mg/m3.
 LC 50 -N/A
 LD 50 -N/A
 STEL -5.0 mg/m3

Water	7732-18-5	48-50	N/A	N/A
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Listed in SARA Title III, Section 313 - No.
 LC 50 -N/A
 LD -N/A
 STEL -N/A

Section 3 - Physical/Chemical Characteristics

<u>Boiling Point</u>	<u>Vapor Pressure</u>	<u>Vapor Density</u>	<u>Appearance & Odor</u>
Greater than 212 deg F	Nearly Equal to Water (mm Hg)	>1.0 Air = 1.0)	Black liquid, Asphaltic smell

<u>Specific Gravity (h2o=1)</u>	<u>Melting Point</u>	<u>Evaporation Rate (Butyl Acetate=1)</u>	<u>pH</u>
1.1 - 1.2	N/A	approx 1.8	6.9 - 8.0

Section 4 – Fire and Explosion Hazard Data

Flash Point (Method used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A

Combustion Products	Extinguishing Media
CO, CO ₂ , Hydrocarbons others	Foam, dry chemicals, water fog, CO ₂ ,

Unusual Fire and Explosion Hazards

N/A

Special Fire Fighting Procedures

Full protective equipment, self-contained breathing apparatus. Sealed containers should be cooled to prevent steam from rupturing the container.

Section 5- Reactivity Data

Stability	Conditions to Avoid	Incompatibility
Stable	Extreme heat; do not let freeze	Strong oxidizers

Hazardous Decomposition Products: N/A

Conditions to Avoid: Extreme heat and freezing temperatures

Section 6 – Health Hazard Data

Primary Entry Routes

Inhalation and absorption

Target Organs

Mucous membranes, skin, and digestive tract.

Acute Effects

Inhalation: Irritation of mucous membranes and respiratory tract. May cause headache, nausea, vomiting, dizziness and loss of coordination

Eye: Highly irritating

Skin: Moderately irritating. May cause drying of skin.

Ingestion: Irritating to mucous membranes and digestive tract. May cause nausea, vomiting or diarrhea.

Chronic Effect: Prolonged exposure to skin may cause dermatitis. Evidence from animal studies suggest that asphalt left on the skin for long periods of time may cause local carcinomas, but there have not been any reports of this effect on human skin that can be attributed to asphalt alone.

Section 7 – First Aid Measures

Inhalation: Remove to Fresh air. Apply artificial respiration if necessary. Seek medical attention if needed.

Eye Contact: Flush eyes thoroughly for at least 15 minutes. If irritation continues, seek medical attention.

Skin Contact: Wash area thoroughly with soap and water.

Ingestion: Seek medical help immediately and follow instructions.

Section 8- Accidental Release Measures

Spill/Leak Procedures: Stop spill/leak at source. Confine spill with diking or other measures. Clean spill but do not allow material into sewer or water ways. Ventilate area to reduce the possibility of breathing vapor.

Cleanup: Mix material with sand or other stable inert materials. Dispose of material properly- follow all local and federal laws.

Regulatory Requirements: Notify local Officials if necessary. Follow all local or federal laws regarding disposal of solid waste.

Section 9-Safe Handling

Ventilation: Mechanical- Recommended
Special- N/A
Other- N/A

Respiratory Protection (Special type): Use only with adequate ventilation. If adequate ventilation is not possible, wear appropriate respiratory equipment.

Protective Glove: Chemically resistant rubber gloves are recommended.

Eye Protection: Wear eye protection at all times.

Other Protective Equipment: Wear protective clothing that is suitable to the process. Wash any contaminated clothing before re-use. A clean water source should be available for washing eyes and skin.

Section 10- Ecological Information

Ecotoxicity: No data

Environmental Fate

Environmental Transport: No data

Soil Absorption/Mobility: No data

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