

## MATERIAL SAFETY DATA SHEET

(In compliance with OSHA Regulation 29 CFR 1910.1200 - Hazard Communication)

<b>IDENTITY:</b> Trackmaster Product No. C1700
---

<i>SECTION I - Manufacturer / Product Information</i>	
<b>Manufacturer's Name:</b> SealMaster Industries, Inc.	<b>Emergency Telephone No.:</b> Chemtrec: 1-800-424-9300
<b>Address:</b> 2520 South Campbell Street Sandusky, Ohio 44870	<b>Telephone Number for Information:</b> 1-419-626-4375
<b>Date Prepared:</b> September 27, 1995	

<i>SECTION II - Hazardous Ingredients / Identity Information</i>				
<b>Hazardous Components:                      Specific Chemical Identity;                      Common Name, CAS No.</b>	<b>Exposure Limits</b>		<b>Other                      Limits                      Recommend.</b>	<b>%                      (Optional)</b>
	<b>OSHA                      PEL -(1)</b>	<b>ACGIH                      TLV -(2)</b>		
Petroleum asphalt fumes -(3) CAS #8052-42-4	5 mg/m <sup>3</sup>			24-29
Ball Clay CAS #1332-58-7 Containing < 30% respirable quartz CAS #14808-60-7	0.1 mg/m <sup>3</sup>			8-12
Silica Sand (Quartz) - (4) CAS # 14808-60-7	0.1 mg/m <sup>3</sup>			6-10

(\*) Indicate toxic chemical subject to the reporting requirement of section 313 of SARA Title III and 40 CFR 372 (Code of Federal Regulations). (A chemical or chemical category listed by the EPA is subject to toxic chemical release reporting under the Emergency Planning and Community Right-To-Know Act of 1986). There are no components of this formulation that are presently subject to this reporting requirement.

(1) (OSHA Permissible Exposure Limit) - These limits express the permissible maximum amount of a chemical to which a person may be exposed. The concentrations listed refer to airborne exposure, as might occur (via mist), which is unlikely to occur with this product in view of its properties and intended use.

(2) (American Conference of Governmental Industrial Hygienists' Threshold Limit Value) - This value is expressed in parts per million. The TLV is the concentration of substance in the air that can be breathed for five consecutive eight hour workdays (40-hour work week) by most people, without harmful effects.

(3) The TLV for asphalt is intended for the fumes given off when this component is heated.

(4) The silica sand that is listed as a hazardous ingredient is based on OSHA regulations for respirable (airborne) dust. Since this product is a wet application item, there is virtually no hazard associated with its use in its original form. There would be potential hazards associated with silica sand during operations such as sandblasting and scarification. Approximately one percent of sand content is considered respirable.

**SECTION III - Physical / Chemical Characteristics**

**Boiling Point:** 212<sup>o</sup> Fahrenheit

**Specific Gravity (Water = 1):** 1.17-1.19

**Vapor Pressure (mm Hg)** Is nearly equal to that of water.

**Melting Point:** Not Applicable

**Vapor Density:** > 1

**Evaporation Rate (Butyl Acetate = 1):** Essentially the same as water.

**Solubility in Water:** Easily dispersible in water, in the wet state.

**Appearance:** Brownish-black heavy liquid

**Odor:** Asphalt odor

**SECTION IV - Fire and Explosion Hazard Data**

**HMIS Rating:** 0

**Flash Point (Method Used):** Non Combustible

**Flammable Limits in Air:** Not Applicable

**Extinguishing Media:** Water spray, foam, dry chemical, carbon dioxide.

**Special Fire Fighting Methods:** Full protective equipment, including self-contained breathing apparatus, to be worn.

**Unusual Fire & Explosion Hazards:** Not Applicable

**SECTION V - Reactivity Data**

**HMIS Rating:** 0

**Stability:** Stable

**Conditions to Avoid:** Keep away from open flames, keep away from strong oxidizers.

**Hazardous Decomposition or Byproducts:** Combustion may form carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur, and other hydrocarbons.

**Hazardous Polymerization:** Will not occur.

## SECTION VI - Health Hazard Data

**HMIS Rating:** 1

**Primary Routes of Exposure:**

**Inhalation:** Yes  
**Eye Contact:** Yes  
**Skin Contact:** Yes  
**Ingestion:** Yes

**Health Hazards ( Acute & Chronic):** (Acute): Irritation to eyes, skin, lungs.  
(Chronic): Dermatitis possible.

**Signs and Symptoms of Exposure:**

**Inhalation:** The vapors may cause irritation to the lungs after repeated exposure.  
**Eye:** Direct contact with hot emulsified asphalt to eyes may cause permanent eye damage. Vapors may cause irritation to the eyes.  
**Skin:** May be a skin irritant to some people.  
**Ingestion:** Stomach irritation, nausea, and vomiting

**Medical Conditions Generally Aggravated by Exposure:** Persons with a skin rash, irritation, or other skin disorders should not let emulsified asphalt contact afflicted areas.

**Carcinogenicity: National Toxicology Program (NTP):** No  
**International Agency for Research on Cancer (IARC) Monographs:** No  
**OSHA Regulated:** No

**Emergency and First Aid Procedures:**

**Inhalation:** Remove to fresh air. If breathing is difficult, get medical attention. If breathing stops, begin artificial resuscitation and SEEK IMMEDIATE EMERGENCY MEDICAL TREATMENT. Rescuers entering a closed vessel or tank to attempt rescue must wear positive-pressure full face piece, self contained or supplied air NIOSH approved respirators.

**Ingestion:** If emulsified asphalt is swallowed, do not induce vomiting. If vomiting begin, lower person's head in an effort to prevent vomitus from entering the lungs. SEEK IMMEDIATE MEDICAL TREATMENT.

**Skin Contact:** Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with waterless hand cleaner and soap and water. If irritation develops, consult of physician. If exposed to hot emulsified asphalt and thermal burns are evident or suspected, immediately cool with cold water. In cases suspecting burns, do not attempt to remove asphalt or clothing and SEEK EMERGENCY MEDICAL TREATMENT.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 5 minutes and CALL A PHYSICIAN.

## SECTION VII - Precautions for Safe Handling and Use

**Steps To Be Taken In Case Material Is Released Or Spilled:** Contain spill immediately in smallest area possible using soil, fly ash, or other fine, dry aggregates. Recover as much of the product as possible by mechanical means such as pumping, vacuuming, or shoveling. Residual emulsified asphalt should be recovered by using absorbent materials. Non-recoverable product and contaminated soils and other materials should be picked up and placed in containers for ultimate disposal. Avoid washing, draining, or directing materials to storm or sanitary sewers, rivers, streams, lakes, and other bodies of water.

**Waste Disposal Method:** Treatment, storage, transportation and disposal must be in accordance with applicable federal, state, and local regulations. Recycle as much of the recoverable products as possible.

**Precautions To Be Taken In Handling And Storing:** Keep from freezing, or extreme heat. - Freezing or temperatures above 180° Fahrenheit will cause emulsified asphalt to permanently separate into layers of water over asphalt. The surface temperature of any heating element or surface should not exceed the boiling temperature of water. Agitation of material while heating is recommended.

**Other Precautions:** Do not use when rain is imminent or forecast to prevent contamination of runoff water.

***SECTION VIII - Control Measures***

**Respiratory Protection (Specify Type):** None required for normal conditions of use. If operating conditions cause a mist, use a NIOSH / OSHA approved dust/mist respirator.

**Ventilation:**

**Local Exhaust:** If used in confined spaces, and mist is generated, use mechanical ventilation to reduce mist concentrations below PEL.

**Protective Gloves:** The use of chemically resistant NBR or neoprene gloves is recommended.

**Eye Protection:** Chemical safety goggles must be worn at all times when working with emulsified asphalt

**Other Protective Clothing or Equipment:** Long sleeves and long pants should be worn.

**Work / Hygienic Practices:** Skin contact should be minimized. Do not use solvents to remove asphalt, they may cause skin irritation.

***SECTION IX - Disclaimer***

All information, recommendations, and suggestions concerning this product are based upon tests, literature references, and/or calculations, believed to be reliable. The manufacturer makes no guarantee, expressed or implied, as to the affect of use, or the safety and toxicity of the product. The information contained in this sheet cannot be taken as the sum total of all protective measures to be taken.