



H.M.I.S. RATING	
Health	1
Flammability	1
Reactivity	0
Protective Equip.	E

## Material Safety Data Sheet – OSHA 174

### Material Safety Data Sheet

May be used to comply with OSHA's Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

### US Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

## CrackMaster 3405

Product No. M1060

### SECTION I - Manufacturer / Product Information

<b>Manufacturer's Name:</b> ThorWorks 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> 1-800-326-1994
	<b>Date Prepared:</b> August 10, 2004

### SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Asphalt	8052-42-4	N/A	5 mg/m <sup>3</sup>		

### SECTION III - Physical / Chemical Characteristics

<b>Boiling Point:</b> >600° F.	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1.0-1.3
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Melting Point:</b> (ASTM-D36, Ring and Ball Softening Point) 160-220° F.
<b>Vapor Density (AIR = 1):</b> N/A	<b>Evaporation Rate (Butyl Acetate = 1):</b> N/A
<b>Solubility in Water:</b> Negligible	
<b>Appearance and Odor:</b> Black adhesive, asphaltic odor, solid at 77° F. / liquid above 275° F.	

### SECTION IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used):</b> C.O.C. (ASTM-D92) 424° F. Minimum	<b>Flammable Limits:</b> N/A	<b>LEL:</b> N/A	<b>UEL:</b> N/A
<b>Extinguishing Media:</b> Foam, CO <sub>2</sub> , dry chemical			
<b>Special Fire Fighting Procedures:</b> Full protective equipment, including self-contained breathing apparatus to be worn. Concentrated vapors from combustion should not be breathed.			
<b>Unusual Fire and Explosion Hazards:</b> Material will not burn unless pre-heated. Black, dense, hazy smoke forms during burning. Keep sparks away from concentrated fumes.			

### SECTION V - Reactivity Data

<b>Stability:</b> Unstable: Stable: X	<b>Conditions to Avoid:</b> DO NOT expose fumes from heated product to sources of ignition.
<b>Incompatibility (Materials to Avoid):</b> Strong oxidizers.	
<b>Hazardous Decomposition or Byproducts:</b> Combustion may produce various oxides of carbon (CO, CO <sub>2</sub> ...)	
<b>Hazardous Polymerization:</b> May Occur: Will Not Occur: X	<b>Conditions to Avoid:</b> N/A

## SECTION VI - Health Hazard Data

**Route(s) of Entry:** Inhalation? Yes Skin Contact? Yes Ingestion? Rare Eyes: Yes  
**Health Hazards (Acute and Chronic):** High fume concentrations may irritate eyes and respiratory tract. Hot product may cause minor to severe burns when it contacts skin or eyes.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No  
**Signs and Symptoms of Exposure:**

**Inhalation:** Vapor could cause headache, irritation to nose and throat, dizziness, weakness and nausea.

**Ingestion:** Can cause nausea, vomiting, diarrhea.

**Skin:** Contact with solid product causes no irritation. Contact with hot liquid product can cause severe burns.

**Eye:** Irritation from vapors. Contact with hot liquid product can cause severe eye damaged and burns.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory problems may be aggravated by fumes.

### Emergency and First Aid Procedures:

**Inhalation:** Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial resuscitation. IMMEDIATELY CALL A PHYSICIAN.

**Ingestion:** If vomiting begins keep head below hips to avoid aspiration into lungs. DO NOT INDUCE VOMITING. Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**Skin Contact:** Hot liquid product – cool with water and DO NOT ATTEMPT TO REMOVE THE PRODUCT. GET MEDICAL HELP. Solid product – wash area with soap and water. Remove contaminated clothing. IF IRRITATION OCCURS, CALL A PHYSICIAN.

**Eye Contact:** Hot liquid product – cool with water and GET IMMEDIATE MEDICAL HELP. Solid product – Immediately flush eyes with large amounts of water and CALL A PHYSICIAN.

## SECTION VII - Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Permit material to cool to a solid form, cover with earth to reduce adhesiveness, place in appropriate containers for transport to a waste disposal site.

**Waste Disposal Method:** Dispose of in accordance with Local, State, and Federal regulations.

**Precautions to Be Taken in Handling and Storage:** Keep pallets intact in storage, packages of unused material present no known health / safety hazards.

**Other Precautions:** Be aware of burn hazards, which are possible if skin or eye contact occurs during use. Avoid inhalation of excessive amounts of fumes. Practice good personal hygiene.

## SECTION VIII - Control Measures

**Respiratory Protection (Specify Type):** In high fume concentration, NIOSH respirator with organic and mist filter.

**Ventilation:** Local Exhaust: Yes Special: N/A

Mechanical (General): N/A Other: N/A

**Protective Gloves:** Yes **Eye Protection:** Yes

**Other Protective Clothing or Equipment:** Cover all areas of skin to prevent exposure to hot material.

**Work/Hygienic Practices:** Use good personal hygiene, wash hands and exposed skin with soap and water.

## 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.