H.M.I.S. RATING	
Health	1
Flammability	0
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

Asphalt Binder Plus

Product No. M1145

SECTION I - Manufacturer / Product Information

Manufacturer's Name:
ThorWorks Industries, Inc.
Address: 2520 South Campbell Street
Sandusky, Ohio 44870

Emergency Telephone No.: Chemtrec: 1-800-424-9300
Telephone Number for Information: 1-800-326-1994
Date Prepared: January 13, 2010

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA_PEL	ACGIH_TLV	Other Limits	Percent
Asphalt	8052-42-4	N/A	5 mg/m3		

SECTION III - Physical / Chemical Characteristics

Boiling Point: 100° Celsius (212° Fahrenheit)
Specific Gravity (H2O = 1): 1.03
Vapor Pressure (mm Hg): Nearly equal to water.
Melting Point: N/A
Vapor Density (AIR = 1): <1
Evaporation Rate (Butyl Acetate = 1): Approximately 1.8
Solubility in Water: Easily dispersible in the liquid state.
Appearance and Odor: Black liquid, asphaltic odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): N/A **Flammable Limits:** N/A **LEL:** N/A **UEL:** N/A
Extinguishing Media: Foam, CO2, dry chemical, water fog, other.
Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus to be worn. Water cool sealed containers in area of fire to prevent rupture due to steam generation.
Unusual Fire and Explosion Hazards: N/A

SECTION V - Reactivity Data

Stability: **Unstable:** **Stable:** X **Conditions to Avoid:** Keep from freezing and extreme heat.
Incompatibility (Materials to Avoid): Strong oxidizers.
Hazardous Decomposition or Byproducts: Combustion may yield fumes, smoke, carbon monoxide, carbon dioxide and other toxic pyrolysis products.
Hazardous Polymerization: **May Occur:** **Will Not Occur:** X **Conditions to Avoid:** N/A

SECTION VI - Health Hazard Data

Route(s) of Entry: **Inhalation?** Yes **Skin Contact?** No **Ingestion?** Yes **Eye Contact?** Yes
Carcinogenicity: **NTP?** No **IARC Monographs?** No **OSHA Regulated?** No
Inhalation Hazards: Vapors and Fumes can cause irritation to nasal and respiratory tract. Extended exposure can cause dizziness and nausea.
Ingestion Hazards: Product has low order of acute toxicity.
Skin Hazards: Hot emulsified asphalt can cause thermal burns. Frequent or prolonged contact can cause irritation and dermatitis. Product has low order of toxicity.
Eye: Emulsified asphalt can cause eye irritation.
Medical Conditions Generally Aggravated by Exposure: None known.
Emergency and First Aid Procedures:
Inhalation: Move person to fresh air immediately. If not breathing, give artificial resuscitation. Immediately call a physician.
Ingestion: If ingested, call a physician immediately and follow directions.
Skin Contact: Hot material- Gently flush with cool water. Call a physician.
Cold material- Remove emulsified asphalt with waterless hand cleaner and wash with soap and water. If irritation occurs, call a physician.
Eye Contact: Gently flush with large amounts of water. Call a physician immediately.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Dike and contain spill with inert material (sand, sawdust, diamateous earth, etc.). Pump liquid into storage tanks. Remaining liquid may be taken up with inert materials. Place in closed container for proper disposal.
Waste Disposal Method: Dispose of in accordance with Local, State, and Federal regulations.
Precautions to Be Taken in Handling and Storage: Keep container closed and upright to prevent leakage. Avoid freezing or temperatures above 50° Celsius.
Other Precautions: Do not take internally. Keep away from children. Avoid breathing vapors. For external use only.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type): None required if good ventilation is maintained. Otherwise use NIOSH approved respirator designed to remove particles and vapor.
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: A rubber apron is recommended to protect clothing from splash during application.
Work/Hygienic Practices: Do not apply during or just before (within one hour) of rain to avoid contamination of runoff water. Wash hands before eating.

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.