



H.M.I.S. RATING	
Health	2
Flammability	2
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

PATCH MASTER

Product No. M1150

SECTION I - Manufacturer / Product Information

Manufacturer's Name: ThorWorks Industries, Inc.	Emergency Telephone No.: Chemtrec: 1-800-424-9300
Address: 2520 S. Campbell St. Sandusky, Ohio 44870	Telephone Number for Information: 1-800-326-1994
	Date Prepared: August 11, 2004

SECTION II - Chemical Identity Information

Ingredient	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percent
Asphalt	8052-42-4		5 mg/m3		
Hydrocarbon Solvent	Proprietary				
Anti-stripping agents	Proprietary				

SECTION III - Physical / Chemical Characteristics

Boiling Point: >200° C.	Specific Gravity (H2O = 1): 0.97-1.5
Vapor Pressure (mm Hg): @ 20° C >10	Melting Point: N/A
Vapor Density (AIR = 1): ~4.8	Evaporation Rate (Butyl Acetate = 1): >0.1
Solubility in Water: Negligible	
Appearance and Odor: Black liquid/solid mix with hydrocarbon odor.	

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): approx. 160° F. Cleveland Open Cup	Flammable Limits: N/D	LEL: N/D	UEL: N/D
Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide			
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 away from open flames, keep away from strong oxidizers, avoid extreme temperatures.
Incompatibility (Materials to Avoid): Strong oxidizers.	
Hazardous Decomposition or Byproducts: Combustion may form hydrogen sulfide, carbon dioxide, oxides of nitrogen, oxides of sulfur, and other hydrocarbons.	
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?** Yes **Ingestion?** Yes **Eye Contact?** Yes

Health Hazards (Acute and Chronic):

(Acute): Irritation to eyes, skin, lungs.

(Chronic): Dermatitis possible.

Carcinogenicity: **NTP?** No **IARC Monographs?** No **OSHA Regulated?** No

Signs and Symptoms of Exposure:

Inhalation: The vapors may cause irritation to the lungs after repeated exposure.

Ingestion: Stomach irritation, nausea, and vomiting.

Skin: May be a skin irritant to some people.

Eye: Direct contact to eyes may cause permanent eye damage. Vapors may cause irritation to the eyes

Medical Conditions Generally Aggravated by Exposure: None known.

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.

Ingestion: If Swallowed, do not induce vomiting. If vomiting begins, lower persons 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 a physician.

Eye Contact: Gently flush with large amounts water for at least 15 minutes or until eye is clear and IMMEDIATELY CALL A PHISICIAN.

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.).

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.

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): Yes **Other:** N/A

Protective Gloves: Yes

Eye Protection: Yes

Other Protective Clothing or Equipment: Long sleeves and long pants are recommended

Work/Hygienic Practices: Skin contact should be minimized.

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.