

MATERIAL SAFETY DATA SHEET

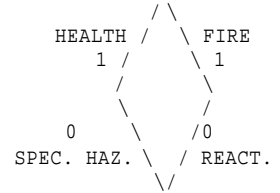
MSDS NUMBER: 1  
 PART NUMBER: 1  
 PRODUCT NAME: Asphalt, PG Graded Binder, Asphalt Cement  
 CAS NUMBER: Mixture  
 CHEMICAL NAME: Asphalt

SECTION I

MANUFACTURER: Eastern Materials LLC.  
 ADDRESS: 1250 Riverfront Center  
 Amsterdam, NY 12010  
 EMERGENCY TELEPHONE NUMBER: 518-684-6007  
 INFORMATION TELEPHONE NUMBER: 518-684-6007  
 DATE PREPARED: 03/08/07

HMIS RATINGS:

HEALTH: 0  
 FIRE: 1  
 REACTIVITY: 0  
 PERSONAL PROTECTION: B



SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS NUMBER	HAZARDOUS COMPONENT	SUB - SARA				OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED PERCENT
		NTP	IARC	PART/Z	313			
8052-42-4	Asphalt	N	N	N	N	10 ppm	5 mg/m3	100

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	>800 F	SPECIFIC GRAVITY (H2O = 1)	1.04000
VAPOR PRESSURE (mm Hg.)	<0.0001	MELTING POINT	NA
VAPOR DENSITY (AIR = 1)	10+	EVAPORATION RATE (Butyl Acetate = 1)	NIL

SOLUBILITY IN WATER: NIL

APPEARANCE AND ODOR: Black color, semi-solid when cold, viscous fluid when hot, petroleum/asphalt odor.

OTHER INFORMATION: Product is normally stored and transported at +/- 300 (deg. F).

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 450 minimum (deg. F) | FLAMMABLE LIMITS: LEL: 4% UEL: 44%

EXTINGUISHING MEDIA: Dry chemical and CO2. Foam and water fog are effective but may cause frothing.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter any enclosed or confined fire space without proper protection equipment. This may include SCBA. Cool tanks and containers exposed to fire with water. Improper use of water and extinguishing media containing water may cause frothing which can spread the fire over a larger area.

UNUSUAL FIRE FIGHTING PROCEDURES: Slightly combustible. When heated above its flash point or when held in storage at elevated temperatures, this material can release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to an ignition source. Studies have shown that relatively low flash point substances, such as hydrogen sulfide and low-boiling hydrocarbons, may accumulate in the vapor space of hot asphalt tanks and bulk transport compartments. As a precaution, keep ignition sources away from vents and openings.

SECTION V - REACTIVITY DATA

STABILITY: Stable. Avoid contact of hot asphalt with water or light hydrocarbons which may create a violent eruption.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, and sodium hypochlorite or calcium hypochlorite. Hot product in contact with water can cause foaming or sudden evolution of steam, which causes pressure build-up and possibly rupture a tank or a vessel.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Combustion may produce carbon monoxide, oxides of sulfur, asphyxiants.

HAZARDOUS POLYMERIZATION: Will not occur

PRODUCT NAME: Asphalt, PG Graded Binder, Asphalt Cement

## SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation, Skin, Eyes, Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC): Heated product may cause thermal burns. Avoid contact with skin and eyes. Product normally shipped at 300 deg. F. Heated product may liberate toxic and flammable sulfide gas - harmful if inhaled in confined spaces.

SIGNS AND SYMPTOMS OF EXPOSURE: May cause thermal burns. In confined spaces fumes may cause irritation to the respiratory tract headaches, dizziness or nausea, unconsciousness and possibly death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES:

(Skin Contact)

Cool burns with ice water, then seek medical attention.

(Inhalation)

Move to fresh air. If condition persists seek medical attention.

(Eye Contact)

Flush with water and contact a physician immediately.

(Ingestion)

If ingested, DO NOT induce vomiting; call a physician immediately.

OTHER HEALTH WARNINGS: Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spilled material, allow to cool. Product can then be disposed as hardened common waste, recycled in Hot Mix Asphalt, or used as base material.

WASTE DISPOSAL METHOD: Follow all applicable regulations when landfilling the material.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid direct contact with skin. Avoid fumes in confined spaces.

OTHER PRECAUTIONS: Properly dispose of all saturated clothes, gloves and shoes. Observe good personal hygiene.

## SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS: Use local exhaust to capture fumes when handling hot product in confined spaces.

PERSONAL PROTECTIVE EQUIPMENT: Use of gloves, boots, and long sleeved shirts and pants is required to avoid contact with skin. Use splash goggles when eye contact may occur. Minimize breathing vapor, mists or fumes. Use supplied-air respiratory protection in confined or enclosed spaces.

## SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS: Warning - Hydrogen sulfide (H<sub>2</sub>S) may collect in the vapor space of containers of hot asphalt. Avoid breathing the vapors.

Store and transport this material at a temperature as far below its flash point as is possible, and in accordance with all applicable laws. Minimize water accumulation in tanks and contamination with light hydrocarbons. Keep all sources of ignition away when opening hatches and dome covers of tanks and transporters.

OTHER PRECAUTIONS AND COMMENTS:

The information and recommendations contained herein are, to the best of Peckham Industries Inc.'s (PII) knowledge and belief, accurate and reliable as of the date issued. PII does not warrant or guarantee their accuracy or reliability, and PII shall not be held liable for any loss or damage arising out of the use thereof.

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