



MATERIAL SAFETY DATA SHEET

MSDS FOR HOT MIX ASPHALT



DATE REVISED: June 11, 2009

SECTION 1 - MANUFACTURER'S INFORMATION

Manufacturer: Pike Industries, Inc. 3 Eastgate Park Road Belmont, NH 03220	Information Telephone: (603) 527-5100 24 Hour Emergency Phone Number: Chemtrec 1-800-424-9300
Product Trade Name and Synonyms: HOT MIX ASPHALT (Asphalt Concrete, Black top, Bituminous Concrete)	
Date Prepared: December 1, 2000	Signature of Preparer:

SECTION 2 - INGREDIENTS/IDENTITY INFORMATION

Ingredient: Asphalt (Petroleum) PG 64-22 PG 58-28 PG 64-28 Percent: <4 – 7% CAS Number: 8052-42-4 OSHA PEL: N/A ACGIH TLV: 5 MG/M3 (Fume)
Ingredient: Aggregate (Crushed Stone, Sand, Gravel) Percent: >93 – 96% CAS Number: N/A OSHA PEL: 15 MG/M3 TDUST (MFR) ACGIH TLV: 10 MG/M3 (MFR)

SECTION 3 - PHYSICAL /CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: N/A	% VOLATILE (By Volume) AT 68° F: N/A
EVAPORATION RATE: N/A	SPECIFIC GRAVITY: 2.275 - 2.5000
APPEARANCE AND ODOR: Black - Brown Sand and Stone Mixture with Petroleum (Asphaltic) Odor.	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: (Method Used)	> 450°F Minimum	COC
FLAMMABLE LIMITS:	LEL: N/A	UEL: N/A
EXTINGUISHING MEDIA:	CO ₂ , Dry Chemical, Foam	
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved SCBA & Full Protective Equipment (FP N)		
Unusual Fire and Explosive Hazards: Do not heat above flash point.		

SECTION 5 - REACTIVITY DATA

Stability: YES

Condition to avoid (Stability): None specified by manufacturer

Materials to Avoid: Strong oxidizers may react with hydrocarbons. Contact with fluorine may cause burning or explosion.

Hazardous Decomp Products: Carbon Monoxide & other CMPDS (such as amine, nitrogen dioxide, ozone, hydrogen sulfide & various hydrocarbons) (SUPDAT)

Hazardous Poly Occur: NO

Conditions to Avoid (Poly): Not Relevant

INCOMPATIBLE WITH THE FOLLOWING MATERIALS OR SOLVENTS: N/A

SECTION 6 - HEALTH HAZARD DATA

Route of Entry: Inhalation: Yes Skin: No Ingestion: No

Health Hazard Acute and Chronic: Inhalation: emissions from heated petroleum asphalt may have unpleasant odor, & may produce nausea & irritation in upper respiratory tract. Continued overexposure may result in bronchia. IARC has determined that there is LTD evidence for carcinogen in exploratory animals & that there is inadequate evidence that bitumens alone are carcinogenic to humans

Eye: Emissions may cause effects of overexposure.

CARCINOGENICITY: We have consulted the following sources to see if they list asphalt cement as a carcinogenic material. It is listed as such in:

NTP (National Toxicology Program) **NO**

IARC (International Agency for Research on Cancer) **NO**

29 CFR Part 1910, Subpart Z, Toxic and Hazardous Substances OSHA **NO**

Explanation Carcinogenicity: Not Relevant

Signs/Symptoms of Overexposure: Health hazard: cause irritation. Heated material can cause several thermal burns.

Ingestion: Heated materials can cause thermal burns. However, it is not expected to be acutely toxic.

Skin: Heated material can cause thermal burns. Chronic exposure may cause Derm. There is increased sensitivity to sunburn when skin is exposed to petroleum asphalt emissions white (SUPPDAT)

Medical Condition Aggravated By Exposure: Existing abnormal conditions of the skin &/ or respiratory system may be aggravated by exposure to hot-mix asphalt.

Emergency /First Aid Procedures:

Inhalation: Remove victim to fresh air. If breathing difficulty persists, get prompt medical attention.

Skin: For hot material, remove contaminated clothing & immediately flush with cool water for at least 15 minutes. Do not attempt to remove material from skin. Get prompt medical attention.

Eye: Immediately flush with water while holding eyelids open for at least 15 minutes. Get prompt medical attention. Do not attempt to remove material from eye.

Ingestion: Do not induce vomiting. Get (SUPDAT)

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is spilled or released: Wetting down spilled material to cool down so that minimum amount will spread.

Small Spills: Avoid personal contact with heated material.

Large Spills: Avoid personal contact with material. Notify safety personnel. Call fire department/emergency personnel. Isolate & remove discharged material.

Neutralizing Agent: Not Applicable.

Waste Disposal Method: Use appropriate waste containers suitable for transportation to appropriate disposal site. Follow Local, State and Federal Regulations.

Precautions on Handling/Storing: Minimize skin contact.

Other Precautions: Do not leave Hot Asphalt unattended.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: Not required if exposures are below TLV. If exposures are expected to exceed this, use a NIOSH/MSHA approved, air purifying respirator with organic vapor cartridges.

Ventilation: If used indoors, provide local exhaust vent as required to maintain exposures below appropriate TLV's. Use only in well vented areas.

Protective Gloves: Impermeable, heat-resistant gloves

Eye Protections: Chemical worker goggles or other approved protective equipment

Protective Clothing: To protect from thermal burns, long pants and appropriate boots should be worn.