



PETROTAC, ROAD PRO, ROAD PRO NT

1101 3rd Street
Southeast
Canton, OH 44707 USA
330.456.3121
800.321.0699
www.midwestind.com

SAFETY DATA SHEET

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: PETROTAC, ROAD PRO, ROAD PRO NT
MANUFACTURER: Midwest Industrial Supply, Inc
1101 3rd Street SE
Canton, OH 44707
EMERGENCY PHONE NUMBER: 330-456-3121
RECOMMENDED USE: Dust Control
CHEMICAL NAME: Emulsified Asphalt Based Material
SYNONYMS: Dust Retardant

SECTION II -- HAZARDS IDENTIFICATION

CLASSIFICATION: Health: Acute toxicity, 5 dermal
Health: serious eye damage/irritation, 2B
SIGNAL WORD: WARNING
HAZARD STATEMENT(S): May be harmful in contact with skin
Causes eye irritation
PRECAUTIONARY STATEMENT(S): Observe good industrial hygiene.
Do not handle until all safety precautions have been read and understood
Wear protective gloves, clothing and eyewear
OTHER HAZARDS: None

SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	WT %
Asphalt, petroleum*	008052-42-4	5-60
Water	7732-18-5	Non-Hazardous
Tall oil soap	65997-01-5	< 20
Proprietary ingredients	Non-hazardous	< 40

* Asphalt is a mixture of high molecular weight hydrocarbons produced from crude petroleum. Composition varies depending on the source of the crude and the specification of the final product.

SECTION IV -- FIRST AID MEASURES

INHALATION: If overexposure occurs, remove individual to fresh air. If discomfort continues, seek medical attention.



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- SKIN:** Hot Emulsion: cool the affected body parts immediately by submerging in cold water until the material has cooled. Do not attempt to remove solidified material from burn area as this may further damage. Seek immediate medical care.
- EYES:** Flush eyes immediately with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eye lids. Get medical attention immediately.
- INGESTION:** If emulsion is swallowed do not induce vomiting. Treat symptomatically and get medical attention.
NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

SECTION V -- FIREFIGHTING MEASURES

- EXTINGUISHING MEDIUM:** Non Flammable in Emulsion State
- SPECIAL FIREFIGHTING PROCEDURES:** Non Flammable in Emulsion State
For small fires-dry chemical CO₂, halon, water spray or standard foam.
For large fires-use water spray, fog or standard foam. Avoid water streams to avoid frothing.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** None
- SPECIAL HAZARDS:** None

SECTION VI -- ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** Safety glasses and gloves
- SPILL AND LEAK PROCEDURES:** Create dikes or ponds as soon as possible. Use earth, sawdust, or sand to make dikes or to use as absorbent. Upon absorption, material will revert to asphalt state and can be removed with absorption material. Keep spills out of sewers or open bodies of water.

SECTION VII -- HANDLING AND STORAGE

- STORAGE:** Keep in a cool, dry, ventilated storage area and in closed containers. Minimize contact with air to prevent microorganism contamination and reduce the formation of skins in the surface.



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HANDLING:

When opening covers and outlet caps to storage tanks, monitor the vapor space for hydrogen sulfide levels. Use face shield and gloves to avoid possible injury from pressurized asphalt. Long sleeved shirts and pants should be worn to minimize thermal burns. Stay upwind and vent storage tanks before unloading.

Empty container warning: Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose to heat, flame, sparks or other sources of ignition. They may burn or explode and cause injury or death.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Local and general exhaust required if in an enclosed area to remain below the TLV. If workplace exposure limits are exceeded a NIOSH/MSHA approved air supplied respirator is advised in the absence of proper engineering controls.

Exposure limits asphalt

NIOSH REL	5.00 mg/m ³	as a 15 min. ceiling limit
OSHA PEL	Not established	
ACGIH TLV	0.5 mg/m ³	as benzene extractable inhalable particulate

RESPIRATORY:

Normally not needed, but if conditions warrant, use organic vapor respirators. Observe respirator protection factor criteria cited in ANSI Z88.2 and OSHA requirements four in 29 CFR 1910.134, air supplied respirator or self contained breathing apparatus for fire fighting and in confined spaces when asphalt vapor or hydrogen sulfide gas exceeds limits.

EYE:

Chemical goggles or safety glasses with side shields

CLOTHING:

Protective gloves with impervious coating.

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Tan/ brown Liquid
Odor:	Slight petroleum odor
Vapor Density:	>1.0
Solubility in Water:	Miscible
Relative Density:	0.96-1.05
Melting/Freezing Point:	N/D
VOC Content:	N/D
Viscosity:	N/D
Flashpoint:	N/A
Flammable Limits LEL:	N/A



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Flammable Limits UEL:	N/A
Odor Threshold:	N/A
Initial Boiling Point/Range:	212°F
Vapor Pressure:	1.9 E-9 psia
Evaporation Rate:	N/D
pH:	7-11
Octanol/Water Coefficient:	N/D
Decomposition Temperature:	N/D
Flammability (solid/gas):	N/A
Auto Ignition Temperature:	>400 F

SECTION X -- STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
CHEMICAL INCOMPATIBILITY:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal Decomposition may release harmful or toxic gases: Carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, reactive hydrocarbons, aldehydes and hydrogen sulfide.
HAZARDOUS POLYMERIZATION:	Does not occur
CONDITIONS TO AVOID:	Contact with oxidizers.

SECTION XI -- TOXICOLOGICAL INFORMATION

International Agency for Research on Cancer (IARC) Ruling:

Occupational exposure on straight run bitumen and their emissions during road paving; On the basis of an earlier meta-analysis the IARC study and other studies showed that there was inadequate evidence in humans for the carcinogenicity of occupational exposures during road paving with straight run bitumen. Also there is inadequate evidence in experimental animals for the carcinogenicity of extracts and of fume condensates of this type of bitumen. However, studies of workers exposed to bitumen emissions during paving with straight run bitumen showed mutagenic and genotoxic/cytogenetic effects in these workers. Similar effects were also observed in experimental systems under control conditions. The strong mechanistic evidence lead to the classification of occupational exposure to straight run bitumen and their emissions during road paving as 'possibly carcinogenic to humans (Group 2B).

Health Hazard Characterization:

Currently classified as A4 (not classifiable as a human carcinogen)
Breathing mists, fumes or vapors should be reduced to minimum to avoid effects.
Asphalt and fumes contain trace levels of polynuclear aromatic hydrocarbons that are known carcinogens
Chronic health effects would not be expected as long as good hygiene and proper safety precautions are practiced



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and exposure is less than TLV/PEL.

- EYES:** Contact with hot asphalt can cause thermal burns to the eyes. Prolonged exposure to vapors, fumes or mists may cause irritation, redness and tearing.
- INGESTION:** Ingestion is not likely, however it may cause thermal burns. If ingestion of hot material occurs keep victims head below hips to prevent entering lungs and seek immediate medical attention.
- INHALATION:** Breathing vapors of fumes or mists may cause irritation to nasal and respiratory tract and central nervous system effects. Symptom may include labored breathing, sore throat, coughing, wheezing, headache and nausea.
- SKIN CONTACT:** Contact with hot emulsified asphalt can cause minor thermal burns. Prolonged exposure to vapors, fumes and mists may cause irritation.

SECTION XII -- ECOLOGICAL INFORMATION

May cause fouling of water. May be toxic to some aquatic life. Once solidified the product will not longer exhibit these characteristics.

SECTION XIII -- DISPOSAL CONSIDERATIONS

- WASTE DISPOSAL METHOD:** Emulsion can be mixed with any stabilizing material (e.g., rock, gravel or sand) in order to change its state from a liquid into a solid. This material can then be disposed of at an approved landfill.

SECTION XIV -- TRANSPORTATION INFORMATION

- DOT HAZARDOUS MATERIAL DESCRIPTION:** None
- PROPER SHIPPING NAME:** None
- UN NUMBER:** None
- HAZARD CLASS/PACKAGING GROUP:** None
- LABELS REQUIRED:** None

SECTION XV -- REGULATORY INFORMATION

NFPA RATING:	Health:	1	HMIS RATING:	Health:	1
	Flammability:	1		Flammability:	1
	Instability:	0		Physical Hazard:	0



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PPE:

B

EPA SARA Title III hazard class:	None
OSHA HCS hazard class:	irritant
EPA SARA Title III Section 313 (40CFR372):	None
TSCA:	All of the ingredients are on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.
Asphalt	MA hazardous air substance list Nationally recognized carcinogens PA Right-to-know list of hazardous substances TX Air contaminants health effects screening levels.

SECTION XVI -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

N.D.	Not Determined	N.A.	Not Applicable	N.T.	Not Tested
<	Less Than	>	More Than		