

MATERIAL SAFETY DATA SHEET

BARRETT COMPANY
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MILLINGTON, NEW JERSEY 07946-0241
(908) 647-0100

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: RAM-TOUGH 250

CHEMICAL NAME, FAMILY & SYNONYMS:
Polymer Modified Asphalt

NOTE: This MSDS complies with requirements of the Hazard
Communication Standard, OSHA 29 CFR 1910.1200

FORMULA:
Mixture of asphalt cement, rubbers, extenders and fillers.

HAZARDOUS CLASSIFICATION: Health = 1
Fire = 1

EMERGENCY ASSISTANCE:
Barrett Company 1-800-647-0100

DOT SHIPPING CLASSIFICATION:

DATE PREPARED: AUGUST 1, 1991

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS

(SPECIFY CHEMICAL IDENTITY: COMMON NAME(S)): OSHA PEL ACGIH TLV OTHER LIMITS RECOMMENDED: %(OPT.)
Asphalt (CAS 8052-42-4) 0.5 mg/m₃

NOTE: The TLV is for asphalt fumes when heated.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Greater than 600°F

SPECIFIC GRAVITY (H₂O=1): 1.20

VAPOR PRESSURE (mm Hg.): Not Applicable

MELTING POINT: (ASTM D-36, ring
and ball softening point): 200°

VAPOR DENSITY (AIR = 1): Not Applicable

EVAPORATION RATE (BUTYL ACETATE = 1):
Not Applicable, Material does not
experience evaporation.

SOLUBILITY IN WATER: Negligible.

APPEARANCE AND ODOR:

Black, adhesive, solid at 77°F. Petroleum product odor, liquid at temperatures above 275°F.

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT (METHOD USED):
C.O.C. (ASTM D) 450°F minimum.

FLAMMABLE LIMITS:
Not Applicable.

LEL

UEL

EXTINGUISHING MEDIA:

CO₂, dry chemical, foam.

SPECIAL FIRE PROCEDURES: Use self controlled breathing apparatus in enclosed areas and full body protection gear including face shield, trench coats, gloves and rubber boots. Concentrated vapors from combustion should not be breathed.

UNUSUAL FIRE AND EXPLOSIVES HAZARDS: Black, dense haze smoke forms during burning. Keep sparks away from concentrated fumes. Material will not burn unless pre-heated.

SECTION V - REACTIVITY DATA

STABILITY:

UNSTABLE:

CONDITIONS TO AVOID:

STABLE:

Do not expose fumes from heated product to sources of ignition.
X

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing materials.

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PRODUCT NAME: RAM-TOUGH 250 (continued)

SECTION V - REACTIVITY DATA (con't)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Combustion may produce various oxides of carbon (CO, CO2, etc.).

HAZARDOUS POLYMERIZATION:	MAY OCCUR: WILL NOT OCCUR:	CONDITIONS TO AVOID: None known X
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SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? Yes (Fumes). SKIN? Yes (Hot Material) INGESTION: Rare.

HEALTH HAZARDS (ACUTE AND CHRONIC): High fume concentrations may irritate respiratory tract and eyes. Hot product may cause minor severe burns when in skin contact.

CARCINOGENICITY: NTP? No. IARC MONOGRAPHS? No. OSHA REGULATED? No.

SIGNS AND SYMPTOMS OF EXPOSURE: Inhalation-irritation, nausea, dizziness, headaches. Skin contact - solid product, no irritation. Hot Product - burns.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory problems may be aggravated by petroleum fumes.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation - remove to fresh air, assist breathing if necessary. Burns - cool with water, remove with mineral oil, soap and water. Get medical help for severe burns.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Permit material to cool to a solid. Cover with earth to reduce adhesiveness, place in appropriate containers for transporting to a waste disposal site.

WASTE DISPOSAL METHOD: Bury collected material in approved landfill or burn in an approved incinerator. Follow Local, State and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep pallets intact during storage. Packages of unused material present no known health or safety hazards.

OTHER PRECAUTIONS: Be aware of burn hazards which are possible if skin contact occurs during use. Avoid inhalation of excessive amounts of fumes. Practice good personal hygiene.

SECTION VIII - CONTROL MEASURES

RESPIRATORY, PROTECTION (SPECIFY TYPE): For high fume concentrations, NIOSH respirator with organic mist filter.

VENTILATION:	LOCAL EXHAUST: To keep fumes below TLV MECHANICAL (GENERAL): Not generally required	SPECIAL: Not generally required OTHER: Not generally required
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PROTECTIVE GLOVES: To protect hands and arms from hot material.	EYE PROTECTION: Safety goggles.
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OTHER PROTECTIVE CLOTHING OR EQUIPMENT: To prevent skin contact with hot material.

WORK/HYGIENIC PRACTICES: Use good personal hygiene, wash hands and exposed skin with soap and water.