

Section 1 – Chemical Product and Company Information

Product/Chemical Name: Dura-Fill	Chemical Formula: Mixture
CAS Number: Mixture	Other Designations: Modified Asphalt
General Use: Road, Parking Lot, Driveway Asphalt Sealant	
Manufacturer: P&T Products, Inc. 472 Industrial Pkwy, Sandusky, OH 44870 PH 419-621-1966	

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	ACGIH TLV
Asphalt	8052-42-4 4	0.5 mg/m3
Hydrotreated Heavy Naphthenic Distillate	64742-52-5	0.5 mg/m3
Styrene-Butadiene Block Copolymer	9003-55-8	0.5 mg/m3
Ethylene-Butadiene Block Copolymer	66070-58-4	NA
Vulcanized Rubber Compound	NA	NA
Polyester Fibers	25038-59-9	NA
Mineral Filler	1317-36-3, 1317-65-3	10 mg/m3

HMIS
H-2
F-1
R-0
PPE (Sec.8)

Section 3 – Hazards Information

Primary Entry Routes: Inhalation and absorption.
Target Organs: Mucous membranes, skin, and digestive tract
Acute Effects: Exposure to product vapors in concentrations above the TLV may lead to symptoms (salivation, vomiting, respiratory difficulties, dizziness, headache, loss of papillary reflexes, cyanosis, hypothermia, and mild convulsions).
Inhalation: Exposure to product vapors may result in irritation to the respiratory tract. Prolonged exposure in excess of the TLV may result in acute toxic effects.
Ingestion: None expected. Direct contact with hot material will cause burns. At ambient temperature there is no significant adverse effect expected. Irritation of mouth, throat, or gastrointestinal tract may occur.
Eye: Exposure to product vapors or liquid may cause irritation. Symptoms may include intolerance to light, redness, swelling, and tearing. Direct contact with hot material will cause burns.
Skin: Skin contact may cause irritation, reddening, itching, swelling. Contact with hot material will cause burns. Skin contact may cause harmful effects in other parts of the body.
Carcinogenicity: OSHA and IARC has determined this product does not require labeling and there is no evidence this product is a potential carcinogen.

Section 4 – First Aid Measures

Inhalation: Remove to fresh air. Assist breathing if necessary. Seek medical attention.
Eye Contact: Flush eyes immediately with large amount of cool water for at least 15 minutes. Seek medical attention.
Skin Contact: Flush immediately with large amount of cool water for at least 15 minutes. Seek medical attention. Remove with mineral oil, mild soap, and water.
Ingestion: Do not give anything by mouth to an unconscious person. Seek medical attention.

Section 5 – Fire Fighting Measures

Flash Point: >400°F minimum	Flash Point Method: Unknown
Auto Ignition Temperature: >700°F	
Flammability Classification: Class IIIB	
Extinguishing Media: CO ₂ , dry chemical foam and water spray, class B fire extinguisher	
Unusual Fire or Explosion Hazards: Material is not a combustible liquid per the OSHA Hazard Communication Standard, but will ignite and burn at temperatures exceeding the flash point. Closed containers may explode when exposed to extreme heat. Water spray may cause frothing.	
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.	
Fire-Fighting Equipment: Use self-contained breathing apparatus in enclosed areas where heavy smoke appears.	

Section 6 – Accidental Release Matters

Spill/Leak Procedures: Stop spill at source if possible without hazard. Remove sources of heat or ignition. Avoid breathing vapors, mists or fumes. Avoid skin contact. Cleanup personnel should be provided with appropriate clothing. Contain spilled material by diking with absorbent solids such as sand or soil. Do not release runoff into sewers or waterways. Permit material to cool to a solid, cover with earth to reduce adhesiveness, place in appropriate containers to transport to waste disposal.

Section 7 – Handling and Storage

Handling Precautions: Unheated material presents no known hazards. Avoid prolonged or repeated contact with the skin or breathing vapors. Wear appropriate protective equipment when performing maintenance on contaminated equipment. Exercise good personal hygiene including the removal of contaminated clothing and prompt washing with soap and water.

Storage Requirements: Ground and bond all transfer and storage equipment. Store in properly closed and labeled containers away from sources of ignition. Store containers in a well-ventilated, clean, and dry area. Keep pallets in storage, packages of unused material present no known health / safety hazards.

Regulatory Requirements: None known

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Use local or exhaust ventilation in all enclosed areas or if there is inadequate ventilation to control exposure.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

Protective Clothing/Equipment: Insulated gloves, goggles, face shield when handling hot material

Section 9 – Physical and Chemical Properties

Physical State: Solid at room temperatures. Liquid above the softening point.

Water Solubility: Negligible

Appearance and Odor: Black / Petroleum

Other Solubilities: No data

Odor Threshold: Not available

Boiling Point: >600° F

Vapor Pressure: NA

Melting Point: ASTM D 36 160- 220 F

Vapor Density (Air = 1): NA

Viscosity: Not available

Formula Weight: Not available

Refractive Index: No data

Density: Not available

Surface Tension: No data

Specific Gravity (H₂O = 1): 1.0-1.9

% Volatile: <1%

pH: Neutral

Evaporation Rate: NA

Section 10 – Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Will not occur.

Chemical Incompatibilities: Strong oxidizing agents such as chlorates, nitrates and peroxides

Conditions to Avoid: Excessive heat

Hazardous Decomposition Products: Carbon monoxide, hydrogen sulfide, aldehydes, aromatics. Irritating and/or toxic fumes may be released if burned.

Section 11 – Toxicological Information

Eye Effects: Not known

Skin Effects: Not known.

Acute Inhalation Effects: Not known.

Acute Oral Effects: Asphalt Cement - Rat, oral, LD₅₀: 5-15 mg/kg

Carcinogenicity: There is inadequate evidence that bitumens are carcinogenic to humans.

Mutagenicity: No data.

Teratogenicity: No data.

Chronic Effects: No data.

Date of Preparation: 2/1/2012

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Section 12 – Ecological Information

Not readily biodegradable

Section 13 – Disposal Considerations

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations. Under the Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine, at the time of disposal, whether the material is a hazardous waste.

Check state and local regulations for any additional considerations, as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS void.

Section 14 – Transport Information**Ambient Temperature Material (Solid)**

Shipping Name: Not Regulated	Packaging Authorizations:	Quantity Limitations:
Shipping Symbols: NA	a) Exceptions: NA	a) Passenger, Aircraft, or Railcar: NA
Hazard Class: NA	b) Non-bulk Packaging: NA	b) Cargo Aircraft Only: NA
ID No.: NA	c) Bulk Packaging: NA	
Label: NA		Vessel Stowage Requirements:
Special Provisions (172.102): NA		a) Vessel Stowage: NA
		b) Other: NA

Hot Material (above 212°F)

Shipping Name: Elevated Temperature Liquid NOS	Packaging Authorizations:	Quantity Limitations:
Shipping Symbols: "HOT" 3257	a) Exceptions: NA	a) Passenger, Aircraft, or Railcar: Forbidden
Hazard Class: 9	b) Non-bulk Packaging: NA	b) Cargo Aircraft Only: Forbidden
ID No.: UN3257	c) Bulk Packaging: 173.247	
Packaging Group: PG III		Vessel Stowage Requirements:
Label: Class 9A		a) Vessel Stowage: A
Special Provisions (172.102): Ib1, T3, TP3, TP29		b) Other: 85

Section 15 – Regulatory Information

EPA Regulations: This product and/or its components are listed on the TSCA Chemical Inventory.
RCRA: This material should not be hazardous due to characteristics.
CERCLA: This material, in its solid form, is not a listed hazardous substance and does not have a reportable quantity. However, if spilled in liquid form into waters of the U.S., it may be reportable under the Clean Water Act.
SARA: SARA 311/312 Codes: Fire-No, Pressure-No, Reactivity-No, Immediate (acute)-Yes, Delayed (chronic)-Yes. SARA Toxic Chemical: Not listed. SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.
OSHA Regulations: Hazard Communication Standard (29 CFR 1910.1200): Yes Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): See Table in Section 2. OSHA Specifically Regulated Substance: No
State Regulations: Listed in state hazardous substance list for CA and MN as Asphalt (petroleum fumes; FL, MA, NJ, as Asphalt fumes; and PA as Asphalt.

Section 16 – Other Information

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