

**Section 1 – Chemical Product and Company Information**

Product Name	Dura-Fill
Recommended Use	Asphalt Based Pavement Crack & Joint Sealant / Filler
Manufacturer	P&T Products, Inc. 472 Industrial Pkwy, Sandusky, Ohio 44870 419-621-1966 / 877-690-4093 Mon – Fri 8AM – 4PM

**Section 2 – Hazard(s) Identification**

Classification in accordance with paragraph (d) of §1910.1200 = Not classified	
Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200.	Warning H315: Causes Skin Irritation P271: Use only outdoors or in a well-ventilated area P281: Use personal protective equipment as required
Describe any hazards	Hot material will burn skin. Wear protective clothing, shoes, and glasses

**Section 3 – Composition / Information on Ingredients**

Component	CAS number	Concentration
Asphalt	8052-42-4	40-95
Petroleum Distillate	64742-04-7	0-15
Vulcanized Rubber Compound	mixture	0-25
Mineral Filler	mixture	0-50
Polymers	mixture	0-15
Polyester Fibers	250-38-59-9	0-10
Other Components Below Reportable Levels		0-20

**Section 4 – First Aid Measures**

<b>Inhalation</b>	Exposure to product vapors may result in irritation to the respiratory tract. Remove to fresh air, assist breathing if necessary. Seek medical attention.
<b>Skin Contact</b>	Skin contact may cause irritation, reddening, itching, and swelling. Contact with hot material will cause burns. Flush immediately with large amount of cool water for at least 15 minutes. Remove with mineral oil, mild soap, and water. Seek medical attention.
<b>Eye Contact</b>	Exposure to vapor may cause irritation. Symptoms may include intolerance to light, redness, swelling, and tearing. Flush eyes with water for at least 15 minutes. Direct contact with hot material will cause burns. Seek medical attention.
<b>Ingestion</b>	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. Do not give anything by mouth to an unconscious person. Seek medical attention.

**Section 5 – Fire Fighting Measures**

<b>Suitable extinguishing media</b>	CO <sub>2</sub> , dry chemical foam and water spray, class B fire extinguisher
<b>Unsuitable extinguishing media</b>	A solid water stream may spread material. Introduction of water may cause frothing.
<b>Specific hazards arising from the chemical</b>	In the event of a fire, the development of hazardous combustion gases or vapors is possible.
<b>Special protective equipment and precautions for fire-fighters.</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and self-contained breathing apparatus.

**Section 6 – Accidental Release Measures**

<b>Personal precautions</b>	Keep unnecessary personnel away. Avoid breathing vapors, mists or fumes. Ventilate closed spaces before entering them. Avoid skin contact. Do not touch or walk through spilled material.
<b>Protective equipment</b>	Cleanup personnel should be provided with appropriate clothing. Insulated gloves, goggles, face shield when handling hot material. Long pants & appropriate footwear.
<b>Methods &amp; materials for containment and clean up.</b>	Stop spill at source if possible without hazard. Remove sources of heat or ignition. 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**

<b>Precautions for safe handling</b>	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.
<b>Conditions for safe storage</b>	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.

**Section 8 – Exposure Controls / Personal Protection**

Component	ACGIH TLV	PEL
Asphalt (8052-42-4)	0.5 mg/m <sup>3</sup>	NA
Petroleum Distillate (64742-04-7)	NA	5 mg/m <sup>3</sup>
Vulcanized Rubber Compound	NA	NA
Mineral Filler	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Polymers	0.5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Polyester Fibers (250-38-59-9)	NA	NA
<b>Engineering Controls</b>	Use local or exhaust ventilation in all enclosed areas or if there is inadequate ventilation to control exposure. 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.	
<b>Individual protection measures</b>	Insulated gloves, goggles, face shield when handling hot material. Long pants and appropriate footwear when applying material to pavement.	

**Section 9 – Physical and Chemical Properties**

<b>Appearance (physical state, color)</b>	Black/Dark Brown; Solid at room temperatures, Liquid above softening point	<b>Vapor density</b>	Not available
<b>Odor</b>	Petroleum	<b>Relative density</b>	Not available
<b>Odor threshold</b>	Not available	<b>Density</b>	8.0 - 16.0 pounds per gallon
<b>pH</b>	Not available	<b>Specific Gravity</b>	1.0 - 1.9

<b>Melting point/freezing point</b>	(Astm D 36) 150-250 F	<b>Solubility</b>	Not available
<b>Initial boiling point</b>	> 600 F	<b>Partition coefficient: water</b>	Not available
<b>Flash point</b>	> 400 F	<b>Auto-ignition temperature</b>	> 700 F
<b>Evaporation rate</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Flammability (solid, gas)</b>	Not available	<b>Viscosity</b>	Not available
<b>Upper/lower flammability or explosive limits</b>	Not available	<b>VOC</b>	0%
<b>Vapor pressure</b>	Not available	<b>Flammability Class</b>	Combustible IIIB

**Section 10 – Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical stability</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Excessive Heat, Strong Oxidizing Agents
<b>Incompatible materials</b>	Strong oxidizing agents such as chlorates, nitrates and peroxides
<b>Hazardous decomposition products</b>	Carbon monoxide, hydrogen sulfide, aldehydes, aromatics. Irritating and/or toxic fumes may be released if burned.

**Section 11 – Toxicological Information**

<b>Likely routes of exposure</b>	Inhalation, skin contact
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	
<b>Respiratory Effects</b>	May Cause irritation
<b>Skin Effects</b>	May Cause irritation, contact with hot material will burn
<b>Eye Effects</b>	May Cause irritation, contact with hot material will burn
<b>Acute Effects</b>	Not Known
<b>Chronic Effects</b>	Not Known
At publication, the chemicals are NOT listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.	

**Section 12 – Ecological Information (not mandatory)**

<b>Eco toxicity</b>	No known Eco toxicological effects
<b>Persistence and degradability</b>	Not Available
<b>Bio accumulative potential</b>	Not Available
<b>Mobility in soil</b>	Not Available
<b>Other adverse effects</b>	Not Available

**Section 13 – Disposal Considerations (not mandatory)**

<b>Disposal Methods</b>	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.
<b>Waste Codes</b>	Not Known

**Section 14 – Transport Information (not mandatory) - As the product is sold at ambient temperature material (Solid)**

<b>UN number</b>	Not regulated as a dangerous good	<b>Environmental hazards</b>	
<b>UN proper shipping name</b>		<b>Transport in bulk</b>	
<b>Transport hazard class</b>		<b>Special precautions</b>	
<b>Packing group</b>			

**Section 15 – Regulatory Information (not mandatory)**

<b>CERCLA (Superfund) reportable quantity</b>	None
<b>SARA (Superfund Amendments and Reauthorization Act of 1986) Hazardous Categories</b>	
<b>Immediate Hazard</b>	Yes
<b>Delayed hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Pressure Hazard</b>	No
<b>Reactivity Hazard</b>	No
<b>Extremely Hazardous Substance (Sec. 302)</b>	No
<b>Hazardous Chemical (Section 311)</b>	No
<b>State Regulations</b>	Asphalt (CAS 8052-42-4) listed as hazardous / Carcinogenic in the following states
	California - Prop 65
	Minnesota - Haz Subs
	New Jersey - RTK
	Pennsylvania - RTK

**Section 16 – Other Information**

<b>HMIS Ratings</b>	Health: 1	Flammability: 1	Physical Hazard: 0
<b>NFPA Ratings</b>	Health: 1	Flammability: 1	Instability: 0

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This document has undergone significant changes and should be reviewed in its entirety.