

Dura-Fill

Material Safety Data Sheet

Revision 4; May 2003

Page 1

Section One: Product Identification

Product Name: Dura-Fill brand hot melt crack and joint sealants.	Note: This MSDS complies with requirements of the Hazardous Communication Standard, OSHA 29 CFR 1910.1200
Chemical Name, Family & Synonyms: Rubber Modified Asphalt Materials	Hazard Classification: Health = 1
Formula: Mixture contains asphalt cement, rubbers, extenders, and reinforcing fillers	Fire = 1
DOT Shipping Classification: Non Haz Mat	Reactivity = 0
	Emergency Assistance: 419-621-1966

Section Two: Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity / Common Name)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (opt)
Asphalt (CAS 8052-42-4)		5 mg / m ³		

Section Three: Physical Chemical Characteristics

Boiling Point: Greater than 600oF	Specific Gravity: (H ₂ O = 1) 1.0-1.3
Vapor Pressure: (mm Hg) Not Applicable	Melting Point: (ASTM-D36, Ring and Ball Softening Point) 160-220°F
Vapor Density: (AIR=1) Not Applicable	Evaporation Rate: (Butyl Acetate=1) NA Material does not experience evaporation
Solubility in Water: Negligible	Appearance and Odor: Black adhesive, odor of petroleum, Solid at 77oF/ liquid above 275°F

Section Four: Fire and Explosive

Flash Point: (Method Used) C.O.C. (ASTM-D92) 424°F Minimum	Special Fire Procedures: Use of 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 Explosion Hazards: Material will not burn unless pre-heated. Black, dense, hazy smoke forms during burning. Keep sparks away from concentrated fumes.
Flammable Limits: NA	
LEL	
UEL	
Extinguishing Media: CO ₂ , Dry Chemical, Foam	

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Revision 4; May 2003

Page 2

Section Five: Reactivity Data

Stability: Stable	Conditions to Avoid: Do NOT expose fumes from heated product to sources of ignition.
Incompatibility: Strong oxidizing materials	Hazardous Decomposition or Byproducts: Combustion may produce various oxides of carbon. (CO, CO ₂ ...)
Hazardous Polymerization: Will NOT Occur	Conditions to Avoid: None Known

Section Six: Health and Hazard Data

Routes of Entry:	Inhalation: Yes, fumes Skin: Yes, hot material Ingestion: Rare	Health Hazards (Acute/Chronic): High fume concentrations may irritate eyes and respiratory tract. Hot product may cause minor to severe burns when contacts skin.
Carcinogenity:	NTP: NO IARC Monographs: No OSHA Regulated: No	Signs and Symptoms of Exposure: Inhalation-irritation, nausea, dizziness, headaches Skin Contact with Solid Product - No Irritation Skin Contact with Hot Product - Burns
Medical Conditions: 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/water Get medical help for severe burns

Section Seven: 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 to transport to a waste disposal site
Waste Disposal Method: Burry collected material in approved landfill or burn in approved incinerator; Follow local, state, & federal regulations
Precautions taken in Handling & Storing: Keep pallets intact in storage, Packages of unused material present no known health / 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 Eight: Control Measures

Respiratory Protection: In high fume concentration, NIOSH respirator with organic and mist filter
Ventilation: Local Exhaust to keep fumes below TLV, Mechanical and Specialty Ventilation not generally required
Protective Gloves: To protect hands and arms from hot material
Eye Protection: Safety Goggles
Other Protective Clothing/Equipment: To prevent skin contact with hot material
Work/Hygienic Practices: Use good personal hygiene, wash hands and exposed skin with soap and water

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