

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072		
IDENTITY (As Used on Label and List) Derbigum® XPS FR		APP Modified Bitumen Roofing Material		
Section I – Product and Company Identification				
Manufacturer's Name DERBIGUM (Performance Roof Systems, Inc.)		Emergency Telephone Number 800-727-9872		
Address 4821 Chelsea Ave. Kansas City, MO 64130		Telephone Number for Information 800-727-9872		
		Internet: www.Derbigum.com		
Date Prepared: January 1, 1995		Date Revised: November 18, 2009		
Section II - Hazardous Ingredients/Identity Information				
Hazardous Components Identity: <i>(Specific Chemical Common Name(s))</i>		CAS NO.	ACGIH TLV	% (optional)
Roofing Sheet composed of:				
Petroleum Asphalt		8052-42-4	5mg/m3*	50-70
Polypropylene		9003-07-0	Not established	18-30
Talc Stabilizer		14807-96-6	N/A	0-10
Calcium Carbonate Combined with FR		Specific information supplied upon written request		
Fiberglass Mat		65997-17-3	Not established	5-25
Fiberglass/Polyester Laminate		Not Available	Not established	5-25
Sand Dusting	(parting agent)	14808-60-7	10 mg/m3	3-25
Dry Talc Dusting	(parting agent)	14807-96-6	N/A	3-15
* As Fumes				
Section III - Physical / Chemical Characteristics				
Boiling Point	> 900°F	Specific Gravity (H ₂ O =1)	0.9 - 1.1	
Vapor Pressure (mm Hg.)	< 0.1	Melting Point	N/A	
Vapor Density (AIR=1)	> 20	Evaporation Rate (Butyl Acetate = 1)	N/A	
Solubility in Water: Nil				
Appearance and Odor: Black appearance: Characteristic petroleum, slight asphalt odor.				
Section IV - Fire and explosion Hazard Data				
Flash Point (Method Used) 520-650° F (ASTM D92)	Flammable Limits >750°F	LEL 1%	UEL 6%	
Extinguishing Media: CO ₂ , Foam, dry chemical				
Special Fire Fighting Procedures: Use air supplied breathing equipment for enclosed areas and treat as a fuel oil fire.				
Unusual Fire and Explosion Hazards: NONE				
In the event of fire, use normal fire fighting procedures to prevent inhalation of smoke and gases.				
(Reproduce locally)				OSHA 174

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	N/A under normal warehouse storage
Incompatibility (Materials to avoid): Avoid contact with concentrated acids, hydrocarbons, oils			
Hazardous Decomposition or Byproducts: Asphalt fumes may occur on overheating			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Overheating may cause fire
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Yes-During heat application of product generating asphalt fumes.			
Health Hazards (Acute and Chronic)			
Acute: Nose and throat irritation. May cause dizziness.			
Chronic: There are no studies indicating asphalt causes cancer or respiratory damage in man.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: Nose and throat, eye irritation			
Medical Conditions Generally Aggravated by Exposure: None Known			
Emergency and First Aid Procedures: Remove individual to fresh air. If irritation persists, seek medical attention.			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled			
No special precautions: use good housekeeping			
Waste Disposal Method: Dispose of in accordance with local, state and federal regulations for non-toxic waste. If you are unsure of the regulations, contact your local Public Health Department, or the local <u>Environmental Protection Agency</u> .			
Precautions to Be Taken in Handling and Storing: Warehouse storage should be in accordance with package directions, if any, material should be kept on pallets and protected from moisture.			
Other Precautions: none			
Section VIII - Control Measures			
Respiratory Protection (Specify Type): N/A under normal conditions of use.			
Ventilation	Local Exhaust	Special: None	
	Mechanical (General): N/A	Other	
Protective Gloves:	Eye Protection:		
Yes, leather or cotton gloves are recommended.	Not normally necessary		
Other Protective Clothing or Equipment: Long sleeve shirt, trousers, smooth bottom work shoes.			
Work/Hygienic Practices: Wash hands after application.			