



# Material Safety Data Sheet

<b>I. PRODUCT IDENTIFICATION</b>		HMIS:
Name: #170 Arctic Seal™		Health: 0
Number: 170		Flammability: 1
Class: Manufactured Asphalt Roofing Products		Reactivity: 0
<b>II. HAZARDOUS INGREDIENTS</b>		Pers. Prot. equip: a
Ingredient/CAS Numbers: none		NFPA 704
Percent: n/a		Date: 10/05
Occupational Exposure Limits: TLV: 5 mg/m3 PEL: n/a		
<b>III. PHYSICAL DATA</b>	<b>VII. SPILL OR LEAK PROCEDURES</b>	
Boiling Range: 650-1000°F	Material released, spilled: none	
Melting Point: n/a	Waste Disposal Method: contact the local authority, comply with local code	
Vapor Pressure: n/a	<b>VIII. SAFE HANDLING AND USE</b>	
Vapor Density: n/a	Hygienic Practices: wash after skin contact	
Evaporation Rate: n/a	Respiratory Protection: not normally required	
Specific Gravity: Greater than 1.0 g/ml	Ventilation: not normally required	
% Volatile Volume: <0.5%	Protective Gloves: recommended but not required	
% Water Volume: <0.1%	Eye Protection: recommended but not required	
<b>IV. FIRE &amp; EXPLOSION HAZARD DATA</b>	Other Protective Equipment: washing facility recommended	
Flammability Class: OSHA - none	<b>IX. SPECIAL PRECAUTIONS</b>	
DOT: none	Precautions to be taken in handling and storing: do not store near flame	
Flash Point: n/a	Other Precautions: none	
Unusual Fire and Explosion Hazard: none	<b>X. TRANSPORTATION DATA</b>	
Extinguishing Media: C <sup>0</sup> 2, Dry Chem, Water	Shipping Name: not regulated	
LEL: none	Labeling: n/a	
Special Firefighting Procedures: avoid confined space w/o proper equipment	Labeling Required: none required	
<b>V. HEALTH HAZARD DATA</b>	Hazard Class: n/a	
Effects of Overexposure: no OSHA exposure limit	No association has been established data between industrial exposure and cancer. IARC** concluded that there is insufficient evidence for cancer. While normal, handling of this product is not likely to cause cancer in humans, skin contact and breathing of vapors and fumes should be reduced to a minimum.	
Medical Conditions: none		
Primary Route of Entry: skin contact, inhalation		
Emergency First Aid: n/a		
<b>VI. REACTIVITY DATA</b>	<b>Comments:</b> This product contains asphalt. Some asphalts contain sulfur compounds which may form H2S when heated or burned	
Stability: stable	n/a - Not Applicable	
Hazardous Polymerization: will not occur	NDA - No Data Available	
Hazardous Decomposition: may form CO2, NOx, SOx		
Conditions to Avoid: incomplete combustion		
Incompatibility: strong oxidants		
<b>Comments:</b> The information contained herein is based on the data available to us and is believed to be correct. Malarkey makes no representation or warranty regarding the accuracy of this data or the results to be obtained from the use thereof. Malarkey assumes no responsibilities for injury from the use of the product(s) described herein. ** <b>NOTE:</b> The <a href="#">IARC Monographs (Vol. 35)</a> reporting on mice painting studies states that there is sufficient evidence for the carcinogen in experimental animals of extracts of some asphalts. The same document states that there is inadequate evidence that asphalts alone are carcinogenic to humans.		

Effective 10.19.05 Supersedes all previously published data