

I. PRODUCT IDENTIFICATION		HMIS:
Name: #271 Highlander-CS™ Laminate Shingle		Health: 0
Number: 271		Flammability: 1
Class: Manufactured Asphalt Roofing Products		Reactivity: 0
II. HAZARDOUS INGREDIENTS		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		
III. PHYSICAL DATA	VII. SPILL OR LEAK PROCEDURES	
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	VIII. SAFE HANDLING AND USE	
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	
IV. FIRE & EXPLOSION HAZARD DATA	IX. SPECIAL PRECAUTIONS	
Flammability Class: OSHA - none	Other Protective Equipment: washing facility recommended	
DOT: none	X. TRANSPORTATION DATA	
Flash Point: n/a	Precautions to be taken in handling and storing: do not store near flame.	
Unusual Fire and Explosion Hazard: none	Other Precautions: none	
Extinguishing Media: CO ₂ , Dry Chem, water		
LEL: none		
Special Firefighting Procedures: avoid confined space w/o proper equipment.		
V. HEALTH HAZARD DATA	Labeling: n/a	
Effects of Overexposure: no OSHA exposure limit	Labeling Required: none required	
Medical Conditions: none	Hazard Class: n/a	
Primary Route of Entry: skin contact, inhalation	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.	
Emergency First Aid: n/a		
VI. REACTIVITY DATA		
Stability: stable		
Hazardous Polymerization: will not occur		
Hazardous Decomposition: may form CO ₂ , NO _x , SO _x		
Conditions to Avoid: incomplete combustion	Comments: This product contains asphalt. Some asphalts contain sulfur compounds which may form H ₂ S when heated or burned.	
Incompatibility: strong oxidants	n/a - Not Applicable	
	NDA - No Data Available	
<p>Comments: 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.</p> <p>** NOTE: The IARC Monographs (Vol. 35) 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.</p>		

Effective 10.19.05 Supersedes all previously published data