

MATERIAL SAFETY DATA SHEET**QUICK IDENTIFIER (In Plant Common Name)**

Fortress Housewrap HC5W

Manufacturer's Name RAVEN INDUSTRIES INC.
Address P.O. Box 5107
 Sioux Falls, SD 57117

Emergency Telephone Numbers 800-635-3456
 605-335-0174
Other Information 1813 "E" Avenue
 Sioux Falls, SD 57104

Signature of Person Responsible for Preparation


Date Prepared 28-Jan-10

Section 1 - IDENTITY

Common Name: (Used on Label) HC5W

CAS Number(s) 26221-73-8

(Trade Name & Synonyms)

25213-02-9

Chemical Name Copolymer of Ethylene and Octene-1

Chemical Family Polyolefin

Formula (CH₂ - CH₂)_n

Section 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) - Chemical and Common Name(s) % **Threshold Limit Value (units)**
 None Known

Section 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point Not Applicable (N/A) **Specific Gravity** 0.93 **Vapor Pressure, mmHg** N/A

Percent Volatile by Volume (%) 0 **Vapor Density** N/A **Evaporation Rate** N/A

Solubility in Water Insoluble in Water **Reactivity in Water** Not Reactive in Water

Appearance and Odor off white, odorless woven plastic film.

Flash Point N/A **Flammability Limits in Air, by Volume (%)** Lower N/A Upper N/A **Auto Ignition Temperature** > 650°F (estimated)

Extinguisher Media Use water spray, dry chemical, foam or carbon dioxide

Special Fire Fighting Proced. Fire fighters should wear a self-contained breathing apparatus when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. If possible, water should be applied as a spray from a fogging nozzle since this material is a surface burning material.

Unusual Fire and Explosion Hazards None

Section 4 - PHYSICAL HAZARDS

Stability Unstable **Conditions to Avoid** Temperatures over 570°F will release combustible gases.
 Stable

Incompatibility (Materials to Avoid) None

Hazardous Decomposition Products The following combustion products may be generated: Carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.

Hazardous Polymerization **May Occur** **Conditions to Avoid** N/A
Will not Occur

Section 5 - HEALTH HAZARDS

Threshold	N/A					
Limit Value						
Signs and Symptoms of Exposure						
1. Acute Overexposure	Not Determined			2. Chronic Overexposure	Not Determined	
Medical Conditions Generally Aggravated by Exposure	There are no known medical conditions aggravated by exposure to this product.					
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Not Listed	L.A.R.C. Monographs	Not Listed	OSHA	Not Listed
OSHA Permissible Exposure Limit	None	ACGIH Threshold Limit Value	None	Other Expos. Limit Used	None	
Emergency and First Aid Procedures	Most problems will result from exposure to molten materials.					
1. Inhalation	Immediately remove victim from area to fresh air. Seek medical attention.					
2. Eyes	If contacted by molten material, immediately flush eyes with plenty of cool water for at least 15 minutes. Do not permit victim to rub eyes. Immediately seek medical attention.					
3. Skin	If contact by molten material, cool immediately with cool water. Do not attempt to remove any solidified material. Immediately seek medical attention.					
4. Ingestion	If material is ingested, contact a physician or Poison Control Center as appropriate whenever any foreign object is swallowed.					

Section 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)						
N/A						
Ventilation	Local Exhaust	Mechanical (General)			Special	Other
N/A	N/A	N/A			N/A	N/A
Protective Gloves	Wear protective gloves during thermal processing.			Eye Protection	Wear eye protection during thermal processing.	
Other Protective Clothing or Equipment	Wear protective sleeves when processing material at elevated temperatures to minimize the possibility of thermal burns.					

Section 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	This product should be stored in a manner that they are not exposed to heat and sources of ignition. A static charge may be present on finished products.					
Other Precautions	None					
Steps to be Taken in Case Material is Released or Spilled						
Spilled material should be swept up and discarded. Comply with applicable federal, state or local regulations.						
Waste Disposal Methods						
Dispose in accordance with local regulations						

IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate