

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

Rufco Wrap

3WPF

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

800-635-3456

**Telephone Numbers**

605-335-0174

**Other****Information** 1813 "E" Avenue  
Sioux Falls, SD 57104**Signature of Person****Responsible for Preparation****Date****Prepared**

April 4, 2007

**Section 1 - IDENTITY****Common Name: (Used on Label)** Rufco Wrap**(Trade Name & Synonyms)****Chemical****Name** Polyethylene**Formula** (CH<sub>2</sub> - CH<sub>2</sub>)<sub>n</sub>**CAS** 9002-88-4**Number(s)****Chemical****Family** Polyolefin**Section 2 - HAZARDOUS INGREDIENTS****Principal Hazardous Component(s) - Chemical and Common Name % Threshold Limit Value (units)**

This material is not considered hazardous by OSHA (29CFR 1910.1200)

**Section 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)****Boiling Point** Not Applicable (N/A) **Specific Gravity** 0.93-1.10 **Vapor Pressure, mmHg** N/A**Percent Volatile by Volume (%)** N/A **Vapor Density** N/A **Evaporation Rate** N/A**Solubility in Water** Insoluble in Water **Reactivity in Water** Not reactive in water**Appearance and Odor** White, odorless microperforated plastic film.**Flash Point** N/A **Flammability Limits Lower Upper** N/A N/A **Auto Ignition Temperature** 635 F**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 Stable **Conditions to Avoid** Temperatures over 570 F will release combustible gases**Incompatibility (Materials to Avoid)** Strong oxidizing agents**Hazardous Decomposition Products** Combustion will produce CO<sub>2</sub>, CO and organic vapors**Hazardous Polymerization** **May Occur Will not Occur** **Conditions to Avoid** N/A

**Section 5 - HEALTH HAZARDS****Threshold** N/A**Limit Value****Signs and Symptoms of Exposure**

<b>1. Acute</b>	Thermal burns will result from contact	<b>2. Chronic</b>	Not Determined
<b>Overexposure</b>	with molten material	<b>Overexposure</b>	

**Medical Conditions Generally** There are no known medical conditions aggravated by exposure to this product.**Aggravated by Exposure**

<b>Chemical Listed as Carcinogen or Potential Carcinogen</b>	<b>National Toxicology Program</b>	Not Listed	<b>L.A.R.C. Monographs</b>	Not Listed	<b>OSHA</b>	Not Listed
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<b>OSHA Permissible Exposure Limit</b>	None	<b>ACGIH Threshold Limit Value</b>	None	<b>Other Expos. Limit Used</b>	None
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**Emergency and First Aid Procedures** Most problems will result from exposure to molten materials.**First Aid Procedures****1. Inhalation** not applicable**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

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Mechanical (General)</b>	<b>Special</b>	<b>Other</b>
N/A	N/A	N/A	N/A	N/A

<b>Protective Gloves</b>	Wear protective gloves during thermal processing.	<b>Eye Protection</b>	Wear eye protection during thermal processing.
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**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 it is not exposed to heat and sources of ignition handling operations. No special storage requirements.**Other Precautions** None**Steps to be Taken in Case****Material is Released or Spilled** not applicable**Waste Disposal****Methods** Dispose in accordance with local, state and federal regulations**IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate**