

**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 Telephone Numbers** 800-635-3456  
 605-335-0174  
**Other Information** 1812 "E" Avenue  
 Sioux Falls, SD 57104

**Signature of Person Responsible for Preparation** 

**Date Prepared** August 10, 2001

**Section 1 - IDENTITY**

**Common Name: (Used on Label)** Rufco Wrap

**CAS Number(s)** N/A

**(Trade Name & Synonyms)**

**Chemical Family**

**Chemical Name** Polyethylene

**Chemical Family** Polyolefin

**Formula** (CH<sub>2</sub> - CH<sub>2</sub>)<sub>n</sub>

**Section 2 - HAZARDOUS INGREDIENTS**

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

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

**Boiling Point** Not Applicable (N/A) **Specific Gravity** N/A **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** N/A

**Appearance and Odor** White, odorless microperforated plastic film

**Flash Point** 353 C **Flammability Limits in Air, by Volume (%)** **Lower** N/A **Upper** N/A **Auto Ignition Temperature** N/A

**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	X

**Conditions to Avoid** none known

**Incompatibility (Materials to Avoid)** None

**Hazardous Decomposition Products** None known

**Hazardous Polymerization**

May Occur	
Will not Occur	X

**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 with molten material	<b>2. Chronic</b>	Not Determined
<b>Overexposure</b>		<b>Overexposure</b>	

**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**

None

**1. Inhalation**

not applicable

**2. Eyes**

not applicable

**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**

not applicable

**Section 6 - SPECIAL PROTECTION INFORMATION****Respiratory Protection****(Specify Type)**

N/A

**Ventilation**

N/A

**Local Exhaust**

N/A

**Mechanical (General)**

N/A

**Special**

N/A

**Other**

N/A

**Protective**

not applicable

**Eye**

not applicable

**Gloves****Protection****Other Protective**

none

**Clothing or Equipment****Section 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES****Precautions to be Taken****in Handling and Storage**

As with all polyolefin substrates, static electricity generation can occur during 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**