

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

Dura-Skrim 8BB R8BBR

**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** June 1, 2006

**Section 1 - IDENTITY**

**Common Name: (Used on Label)** Dura-Skrim 8BB

**CAS Number(s)** 26221-73-8  
 25038-59-9

**(Trade Name & Synonyms)**  
**Chemical Name** Copolymers of Ethylene and Octene-1 film 87%  
 Polyester fiber 13%

**Chemical Family** Polyolefin  
 Polyester

**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)**

<b>Boiling Point</b>	Not Applicable (N/A)	<b>Specific Gravity</b>	N/A	<b>Vapor Pressure, mmHg</b>	N/A
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<b>Percent Volatile by Volume (%)</b>	N/A	<b>Vapor Density</b>	N/A	<b>Evaporation Rate</b>	N/A
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<b>Solubility in Water</b>	Insoluble in Water	<b>Reactivity in Water</b>	N/A
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**Appearance and Odor** Black, odorless reinforced plastic film.

<b>Flash Point</b>	N/A	<b>Flammability Limits in Air, by Volume (%)</b>	<b>Lower</b> N/A <b>Upper</b> N/A	<b>Auto Ignition Temperature</b>	>660°F (estimate based upon raw material AIT)
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**Extinguisher Media** Use water spray or dry chemical

**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 Known

**Section 4 - PHYSICAL HAZARDS**

<b>Stability</b>	Unstable	<b>Conditions to Avoid</b>	Temperatures over 570°F may release combustible gases.
	Stable		

**Incompatibility (Materials to Avoid)** None Known

**Hazardous Decomposition Products** Combustion will produce CO<sub>2</sub>, CO and organic vapors

<b>Hazardous Polymerization</b>	May Occur	<b>Conditions to Avoid</b>	N/A
	Will not Occur		

**Section 5 - HEALTH HAZARDS**

<b>Threshold</b>	N/A					
<b>Limit Value</b>						
<b>Signs and Symptoms of Exposure</b>						
<b>1. Acute Overexposure</b>	Not Determined			<b>2. Chronic Overexposure</b>	Not Determined	
<b>Medical Conditions Generally Aggravated by Exposure</b>	There are no known medical conditions aggravated by exposure to this product.					
<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
<b>OSHA Permissible Exposure Limit</b>	None	<b>ACGIH Threshold Limit Value</b>	None	<b>Other Expos. Limit Used</b>	None	
<b>Emergency and First Aid Procedures</b>	Most problems will result from exposure to molten materials.					
<b>1. Inhalation</b>	N/A					
<b>2. Eyes</b>	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.					
<b>3. Skin</b>	If contact by molten material, cool immediately with cool water. Do not attempt to remove any solidified material. Immediately seek medical attention.					
<b>4. Ingestion</b>	If material is ingested, contact a physician or Poison Control Center as appropriate whenever any foreign object is swallowed.					

**Section 6 - SPECIAL PROTECTION INFORMATION**

<b>Respiratory Protection (Specify Type)</b>	During Thermal Processing					
<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.	
<b>Other Protective Clothing or Equipment</b>	none					

**Section 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES**

<b>Precautions to be Taken in Handling and Storage</b>	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.					
<b>Other Precautions</b>	None					
<b>Steps to be Taken in Case Material is Released or Spilled</b>	N/A					
<b>Waste Disposal Methods</b>	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**