

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

Dura-Skrim 8BBR, R12BV R8BV R12BV

**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** June 1, 2006

**Section 1 - IDENTITY**

**Common Name: (Used on Label)** R8BV R12BV

**CAS Number(s)** 26221-73-8 1333-86-4  
 25038-59-9 14808-60-7

**(Trade Name & Synonyms)**

**Chemical Family** Polyolefin  
 Polyester

**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(s)	%	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****Threshold** N/A**Limit Value****Signs and Symptoms of Exposure**

<b>1. Acute</b>	Not Determined	<b>2. Chronic</b>	Not Determined
<b>Overexposure</b>		<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</b>	<b>National Toxicology</b>	Not	<b>L.A.R.C.</b>	Not	<b>OSHA</b>	Not
<b>or Potential Carcinogen</b>	<b>Program</b>	Listed	<b>Monographs</b>	Listed		Listed

<b>OSHA Permissible</b>	None	<b>ACGIH Threshold</b>	None	<b>Other Expos.</b>	None
<b>Exposure Limit</b>		<b>Limit Value</b>		<b>Limit Used</b>	

**Emergency and** Most problems will result from exposure to molten materials.**First Aid Procedures****1. Inhalation** N/A**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** During Thermal Processing**(Specify Type)**

<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</b>	Wear protective gloves during thermal	<b>Eye</b>	Wear eye protection during thermal
<b>Gloves</b>	processing.	<b>Protection</b>	processing.

**Other Protective** none**Clothing or Equipment****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** N/A**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**