

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

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

Vapor Bond Tape

TVB4

**Emergency**

800-635-3456

**Telephone Numbers**

605-335-0174

**Other**

**Information** 1812 "E" Avenue  
 Sioux Falls, SD 57104

**Signature of Person****Responsible for Preparation****Date****Prepared**

27-Sep-02

**Section 1 - IDENTITY****Common Name: (Used on Label)** Vapor Bond Tape**CAS**

N/A

**(Trade Name Synonyms)****Number(s)****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 Known

**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** N/A **Reactivity in water** N/A

**Appearance and Odor** Clear or solid form

**Flash Point** N/A **Flammability Limits Lower Upper** N/A N/A **Auto Ignition Temperature** N/A

**Extinguisher****Media** Water fog (spray), multi-rated ABC extinguisher, foam, carbon dioxide**Special Fire****Fighting Proced.** Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke

and fumes. Wear protection to prevent skin and eye contact.

**Unusual Fire and Explosion Hazards** Carbon, carbon monoxide, carbon dioxide and organic vapors may be produced during thermal decomposition.

**Section 4 - PHYSICAL HAZARDS**

<b>Stability</b> Unstable		<b>Conditions to Avoid</b>	Fire or excessive heat.
Stable	X		

**Incompatibility** N/A**(Materials to Avoid)****Hazardous Decomposition Products** See section 4

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

**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>	N/A		<b>2. Chronic Overexposure</b>	N/A	
<b>Medical Conditions Generally Aggravated by Exposure</b>	Prolonged skin contact with adhesive not recommended. No health hazard when used under normal conditions				
<b>Chemical Listed as Carcinogen or Potential Carcinogen</b>	<b>National Toxicology Program</b>	N/A	<b>L.A.R.C. Monographs</b>	N/A	<b>OSHA</b>
<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>	N/A				
<b>1. Inhalation</b>	N/A				
<b>2. Eyes</b>	N/A				
<b>3. Skin</b>	N/A				
<b>4. Ingestion</b>	N/A				

**Section 6 - SPECIAL PROTECTION INFORMATION**

<b>Respiratory Protection (Specify Type)</b>					
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>	None		<b>Eye Protection</b>	None	
<b>Other Protective Clothing or Equipment</b>	N/A				

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

<b>Precautions to be Taken in Handling and Storage</b>	Store in a clean, dry area, 70 degrees F., 50% R.H.
<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>	This material when disposed of is not RCRA hazardous waste. Dispose of in accordance with state and local regulations.

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