

MATERIAL SAFETY DATA SHEET**QUICK IDENTIFIER (In Plant Common Name)****VaporBlock 6, 10 & 15 (VB6,VB10 & VB15)**

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) VaporBlock 6, 10 & 15
(Trade Name & Synonyms)
Chemical Name Copolymer of Ethylene and Hexene
Formula (CH₂ - CH₂)_n

CAS Number(s) 26221-73-8 147-14-8
 25213-02-9
Chemical Family Polyolefin

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	0.93	Vapor Pressure, mmHg	N/A
Percent Volatile by Volume (%)	0.01%	Vapor Density	N/A	Evaporation Rate	N/A	
Solubility in water	Insoluble in Water			Reactivity in water	Not Reactive in Water	
Appearance and Odor	Blue, odorless plastic sheet.					
Flash Point	N/A	Flammability Limits in Air, by Volume (%)	Lower N/A	Upper N/A	Auto Ignition Temperature	> 650 F (estimated)
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	Conditions to Avoid	Temperatures over 570 F will release combustible gases.
	Stable		X
Incompatibility (Materials to Avoid)	Strong oxidizers. May react with free halogens.		
Hazardous Decomposition Products	The following combustion products may be generated: Carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.		
Hazardous Polymerization	May Occur	Conditions to Avoid	N/A
	Will not Occur		X

Section 5 - HEALTH HAZARDS**Threshold** N/A**Limit Value****Signs and Symptoms of Exposure****1. Acute** Not Determined**2. Chronic** Not Determined**Overexposure****Overexposure****Medical Conditions Generally** There are no known medical conditions aggravated by exposure to this product.**Aggravated by Exposure**

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Not Listed	L.A.R.C. Monographs	Not Listed	OSHA	Not Listed
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OSHA Permissible Exposure Limit	None	ACGIH Threshold Limit Value	None	Other Expos. Limit Used	None
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Emergency and First Aid Procedures Most problems will result from exposure to molten materials.**1. Inhalation** Immediately remove victim from area to fresh air. Seek medical attention.**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

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

Protective Gloves	Wear protective gloves during thermal processing.	Eye Protection	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** These products should be stored in a manner that they are not exposed to ultra-violet light, excessive moisture, 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** Spilled material should be swept up and discarded. Comply with applicable federal, state or local regulations.**Waste Disposal****Methods** Dispose in accordance with local regulations**IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate**