

**OSHA-Required Health And Safety Information!**

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

**Section 1****MATERIAL SAFETY DATA SHEET # 68****Johni Ring®+ Wax Gasket****Date Prepared:** 1/28/1987 **Last Reviewed:** 1/24/2002

Meets OSHA 29 CFR 1910.1200

**MATERIAL  
SAFETY  
INFORMATION  
SERVICE**

Hercules Chemical Company Inc.  
111 South Street  
Passaic NJ 07055  
Phone (800) 221-9330  
Fax (800) 333-3456

**Section 2 - Hazardous Ingredients/Identity Information****Hazardous Components (Specific Chemical Identity;  
Common Name(s), CAS Numbers)****OSHA PEL****ACGIH TLV****Other Limits****Upper Bound  
Limit if SARA  
Reportable**

This product is defined as an "article" and is not classified as hazardous in accordance with OSHA 1910.1200

**HMIS Hazard Rating:** Health: 0 Flammability: 1 Reactivity: 0 Personal Protection: A**Section 3 - Physical/Chemical Characteristics**

<b>Boiling Point (°F):</b>	<b>Specific Gravity (H2O = 1):</b>	<b>Vapor Density (Air = 1):</b>	<b>Vapor Pressure (mm Hg):</b>
N/A	.82 to .86	N/A	0.01
<b>Melting Point (° F)</b>	<b>Evaporation Rate: (Butyl Acetate = 1)</b>	<b>Solubility in Water:</b>	
140° to 170° F	N/A	Insoluble	
<b>Appearance And Color:</b>	Soft amber to brown color		<b>Odor:</b> No odor

**Section 4 - Fire And Explosion Hazard Data**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
450° F to 550° F	N/D	N/A	N/A

**Extinguishing Media:** Use water fog, foam, dry chemical, or CO2. Do not use a direct stream of water.**Special Firefighting Procedures:**

When handling wax fires do not enter confined space without proper protective equipment. Cool fire exposed containers with water.

**Unusual Fire And Explosion Hazards:**

When heated above its flash point can release flammable vapors which can burn or be explosive in confined spaces if exposed to sources of ignition.

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**Section 5 - Reactivity Data**

**Stability:** Stable      **Conditions To Avoid:** High heat temperatures over 160° F

**Incompatability**  
**(Materials To Avoid):** Avoid strong oxidants

**Hazardous Decomposition:** CO and CO2 and unidentified organic compounds may be formed during combustion.

**Hazardous Polymerization:** Will Not Occur

**Section 6 - Health Hazard Data**

**Routes of Entry:**    **Inhalation**    N/A      **Skin**    YES/Secondary    **Ingestion**    YES/Secondary

**Health Hazards:**

None known

**Carcinogenicity:**    **NTP**    NO      **IARC**    NO      **OSHA Regulated**    NO

**Signs And Symptoms of Exposure:**

None

**Medical Conditions Generally Aggravated By Exposure:**

None

**Emergency And First Aid Procedures:**

**SKIN:** Wash with soap and water. **EYES:** As with all foreign material, flush eyes with water. If irritation occurs, consult a physician. **INGESTION:** No significant adverse health effects are expected. Consult a physician if large quantities are ingested.

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**Section 7 - Precautions For Safe Handling And Use:****Steps To Be Taken In Case Material Is Released Or Spilled:**

Sweep up spilled material in containers for disposal.

**Waste Disposal Method:**

Non-hazardous landfill.

**Precautions To Be Taken In Handling And Storing:**

Do not store over 110° F to prevent the rings from melting or deforming in shape.

**Other Precautions:**

None

**Section 8 - Control Measures:****Respiratory Protection:**

Not required

Ventilation: Local Exhaust Adequate  
Mechanical N/A

Special N/A

Other: N/A

Gloves: Not required

Eye Protection: Safety glasses

**Other Protective**

Clothing: None

Work/Hygienic Practices None



**FACTS**  
faxed  
AST!

For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.