



**Material Safety Data Sheet**

<b>Product Identification:</b>		<b>Occlude®</b>		
Manufacturer: Pascal Company, Inc. P.O. Box 1478 Bellevue, Washington 98009-1478  Phone Number (for information): 1-425-827-4694 Emergency Phone Number: 1-425-827-4694 Fax Number: 1-425-827-6893		MSDS Number*  CAS Number*  Date Prepared: January 18, 2002		
<b>SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION</b>				
Components - Chemical Name & Common Name (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)  Isobutane (Propellant – maintain level below 0.25 lel. May displace oxygen in air)  TOTAL:	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
100				
<b>SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS</b>				
Boiling Point: (Isobutane) 10.9° F  Vapor Pressure (mm Hg and Temperature): (Isobutane @ 32° F) 1,519.0 Vapor Density (AIR=1): (Isobutane) 2.01  Solubility in Water: Minimal Appearance and Odor: Red or green powder with odor of propellant.		Specific Gravity (H <sub>2</sub> O=1): (Isobutane) 0.5631  Melting Point: Not Determined  Evaporation Rate ( _____ - 1): Not Determined  Water Reactive: N/A		
<b>SECTION 3 - FIRE AND EXPLOSION HAZARD DATA</b>				
Extinguisher Media: CO <sub>2</sub> , Dry Chemical, Water  Special Fire Fighting Procedures: Confine fire to immediate area. Self-contained breathing apparatus Unusual Fire and Explosive Hazards: May react with oxidizing materials.		Flammability Limits in Air % by Volume: (Isobutane)  Flash Point and Method Used: 120° F  Auto-ignition Temperature: N/A		
<b>SECTION 4 - REACTIVITY HAZARD DATA</b>				
Stability: Stable Incompatibility (Materials to Avoid): May react with oxidizing materials. Decomposition Products: None Known Hazardous Polymerization: Will not occur		Conditions to Avoid: N/A  Conditions to Avoid: N/A		
<b>SECTION 5 - HEALTH HAZARD DATA</b>				
Primary Routes of Entry: <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Skin Absorption  Carcinogen, due to the presence of saccharin, Listed In NTP: No OSHA: No IARC Monograph: No  Health Hazards (Acute and Chronic) Ingestion: Ingestion of normal quantities non-toxic. Eyes: May cause severe burning and irritation. Inhalation: Inhalation of large quantities of propellant may displace oxygen in lungs. Signs and Symptoms of Exposure: See above Medical Conditions Generally Aggravated by Exposure: None Known Emergency and First Aid Procedures: Seek medical assistance for further treatment, observation and support if necessary. Eye Contact: Flush with water for 15 minutes. Seek medical aid. Skin contact: N/A Inhalation: If unconscious give oxygen.				
<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>				
Respiratory Protection (Specify Type); Dust mask recommended Protective Gloves: Latex Gloves Recommended Eye Protection: Recommended Ventilation To Be Used: <input type="checkbox"/> Local Exhaust: N/A <input type="checkbox"/> Mechanical (general): N/A <input type="checkbox"/> Special: N/A Protective Clothing And Equipment: Lab Coat/Jacket to protect clothing Hygienic Work Practices: Normal				
<b>SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES</b>				
Steps to be Taken if Material is Spilled Or Released: Use soap and water after propellant has been dispersed. Provide adequate ventilation. Waste Disposal Methods: Empty containers may be disposed of in waste containers. Precautions to be Taken in Handling and Storage: Flammable. Contents under pressure. Keep away from fire. Do not puncture. Other Precautions and/or Special Hazards: None Known NFPA: Rating* _____ Health _____ Flammability _____ Reactivity _____ Special _____ HMIS Rating*: Health <u>0</u> Flammability <u>4</u> Reactivity <u>0</u> Personal Protection <u>E</u>				

\* Optional