Safety Data Sheet

DATE OF ISSUE: September 29, 2026 ISSUED BY PASCAL

Product Name:	Occlude®

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
Product Name:	Occlude®
Product Use:	Aerosol Indicator Marking Spray
Manufacturer Name:	Pascal International, Inc.
Address:	2929 Northup Way Bellevue, Washington 98004 USA
Emergency Telephone (Infotrac):	1-800-535-5053, 1-352-323-3500
Telephone:	1-425-827-4694, 1-800-426-8051
Fax:	1-425-827-6893

2. HAZARDS IDENTIFICATION		
GHS Classification & Label Elements:		
Physical Hazard		
Flammable Aerosol	Category 1	
Label Elements:		
Signal Word:	**Danger**	
Hazard Statements:		
H222 Extremely Flammable aerosol		
Precautionary Statements		
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.		
P211 Do not spray on an open flame or other ignition source.		
P251 Do not pierce or burn, even after use.		

3. COMPOSITION / INFORMATION ON INGREDIENTS				
Mixture	**Chemical Entity**	**CAS No.**	**Proportion***	**ACGIH TLV**
Propellant	Isobutane	75-28-5	97%	1000 ppm
	N-Butane	106-97-8	2%	1000 ppm
	Propane	74-98-6	1%	1000 ppm

4. FIRST AID MEASURES	
Inhalation	Move to fresh air. If unconscious, give oxygen.
Ingestion	Ingestion of normal quantities is non-toxic.
Skin	N/A
Eye	Flush with water for 15 minutes. Seek medical aid.

Product Name:	Occlude®

5. FIRE FIGHTING MEASURES	
Extinguishing Media:	CO_2, Foam, Dry Chemical, Water
Specific Hazards:	Extremely flammable and combustible. Temperature above 50°C/120°F may cause bursting and contents under pressure may discharge.
Precautions in connection with Fire:	Confine fire to immediate area. Use of self contained breathing apparatus is recommended. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES	
Emergency Procedures:	Provide adequate ventilation.
Clean Up Procedure:	Use soap and water after propellant has been dispersed.
Personal Precautions:	Dust mask

7. HANDLING AND STORAGE	
Handling:	Content is under pressure. Keep away from fire. Flammable. Do not puncture.
Storage:	Content is under pressure. Store in a cool, dry area away from heat sources and/or prolonged exposure to sun. Keep away from fire. Flammable. Do not puncture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Exposure Limits:	Not determined
Respiratory Protection:	Dust mask recommended.
Eye Protection:	Recommended
Hand Protection:	Gloves recommended
Engineering Controls:	Normal room ventilation
Biological Limit Values:	Not determined

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Red or green powder dispensed as an aerosol.
Odor:	Odorless
Vapor Pressure (mm Hg and Temperature):	(Isobutane @ 32° F) 1,519.0
Vapor Density (AIR=1):	(Isobutane) 2.01
Relative Density:	Not determined
Boiling Point:	(Isobutane) 10.9° F
Freezing / Melting Point:	Not Determined
Solubility in Water:	Minimal

Product Name:	Occlude®

Specific Gravity:	(Isobutane) 0.5631
Evaporation Rate:	Not Determined
Water Reactive:	N/A
Flash Point:	Not applicable - aerosol
Auto-ignition temperature	Not determined
Flammable Limits LEL:	Isobutane 1.6%. May displace oxygen in air.
Flammable Limits UEL:	Not determined
Viscosity:	Not determined

10. STABILITY AND REACTIVITY	
Chemical Stability:	Stable
Reactivity:	Stable
Conditions to Avoid:	Keep away from fire.
Incompatible Materials:	May react with oxidizing materials.
Hazardous Decomposition Products:	None known
Hazardous Reactions:	None known

11. TOXICOLOGICAL INFORMATION	
Hazardous Ingredient:	N/A
Routes of Exposure:	N/A
• Skin	No irritant effect
• Eyes	No irritating effect
• Sensitization	No sensitizing effects known
Acute & Chronic Hazards:	None known

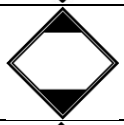
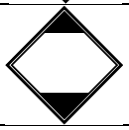
12. ECOLOGICAL INFORMATION	
Ecotoxicity:	Contains no CFC's. Propellants are ecologically safe. Not hazardous for water.
Persistence and Degradability:	Not determined
Bioaccumulative Potential:	Not determined
Mobility in Soil:	Not determined

13. DISPOSAL CONSIDERATIONS	
Disposal Method and Containers	Empty containers may be disposed of in waste containers.
Special Precautions	Do not incinerate. Do not crush. Dispose in accordance with all local, state and federal regulations.

Product Name:	Occlude®

14. TRANSPORT INFORMATION

UN Number	UN1950
UN Proper Shipping Name	Aerosol, flammable
Class and Subsidiary Risk	2.1
Packing Group	N/A
Special Precautions for User	N/A
Hazchem Code	1T
EMS Numbers:	F-D, S-U
Marine Pollutant:	No
Australian Classification Statement (ADG):	Division 2.1 Flammable Gases
Transport Required Labeling:	

Air Transport:			
Maritime Transport:			
Land Transport:			

15. REGULATORY INFORMATION

Consumer Commodity:	ORM-D (Ground), ID 8000 (Air)
Precautionary Phrases:	For professional in-office use only. Keep out of reach of children.
AICS (Australia)	This product is a medical device and not subject to chemical notification requirements.
HSNO Act (New Zealand)	Group Standard #HSR002515 Aerosols (Flammable)
Poison Schedule:	None allocated
CA Prop 65:	No ingredients are subject to CA Prop 65 warning.
Note:	Refer to applicable international, national, and local regulations and provisions.

Product Name:	Occlude®

16. OTHER INFORMATION	
Legal Disclaimer:	Information contained in this SDS is based on data believed to be correct. This information does not purport to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information.
SDS History	
Date of Issue:	September 29, 2026
Replaces Issue:	August 25, 2023
Changes made to previous issue:	Updated section 9 to align with modified HCS provisions