



# Safety Data Sheet

DATE OF ISSUE: June 5, 2014

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 NE Northup Way  
Bellevue, Washington 98004  
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

Hazard



Danger

Category 1: 2.3/1 Extremely flammable aerosol  
Can is under pressure  
Irritating to eyes  
Inhalation of large quantities of propellant may displace oxygen in lungs  
R12: Extremely flammable  
R18: Vapor may form flammable mixtures with air  
R36: Irritating to eyes.  
R20: Harmful by inhalation  
S2: Keep out of the reach of children  
S15: Keep away from heat.  
S23: Do not breathe vapor.  
S25: Avoid contact with eyes.

Risk Phrases

Safety Phrases

## 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.



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## 5. FIRE FIGHTING MEASURES

Extinguishing Media: CO<sub>2</sub>, 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.

## 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



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Vapor Pressure (mm Hg and Temperature)	(Isobutane @ 32°F) 1,519.0
Vapor Density (AIR=1)	(Isobutane) 2.01
Boiling Point	(Isobutane) 10.9° F
Freezing / Melting Point	Not Determined
Solubility in Water	Minimal
Specific Gravity	(Isobutane) 0.5631
Evaporation Rate	Not Determined
Water Reactive	N/A
Flash Point	120° F
Self-igniting	Product is not self-igniting
Flammable Limits LEL	Maintain level below 0.25 LEL. May displace oxygen in air
Flammable Limits UEL	Not determined

## 10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	N/A
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

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	Contains no CFC's. Propellants are ecologically safe. Not hazardous for water.
Persistence and Degradability	Not determined
Mobility	Not determined



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## 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.

## 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
Transport Required Labeling:	



Air Transport:



Maritime Transport:



Land Transport:



## 15. REGULATORY INFORMATION

Consumer Commodity	ORM-D (Ground), ID 8000 (Air)
AICS (Australia)	All ingredients are listed
Precautionary Phrases:	For professional in-office use only. Keep out of reach of children.
Note:	Refer to applicable international, national, and local regulations and provisions.



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16. OTHER INFORMATION
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Legal Disclaimer:

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MSDS History

Date of Issue: June 5, 2014

Replaces Issue: April 16, 2012

Changes made to previous issue: Added SDS hazard pictogram; GHS classification; transport pictograms

