

Page 1 of 5

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

HAZARDS IDENTIFICATION

Hazard



Category 1: 2.3/1 Extremely flammable aerosol Can is under pressure

Irritating to eyes

Inhalation of large quantities of propellant may

Risk Phrases

displace oxygen in lungs R12: Extremely flammable

R18: Vapor may form flammable mixtures with air

R36: Irritating to eyes.

R20: Harmful by inhalation

Safety Phrases

S2: Keep out of the reach of children

S15: Keep away from heat. S23: Do not breathe vapor. S25: Avoid contact with eyes.

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

FIRST AID MEASURES

Inhalation Ingestion Skin

Eye

Move to fresh air. If unconscious, give oxygen Ingestion of normal quantities is non-toxic.

N/A

Flush with water for 15 minutes. Seek medical aid.



Page 2 of 5

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5. FIRE FIGHTING MEASURES

Extinguishing Media;

CO₂, Foam, Dry Chemical, Water

Specific Hazards:

Extremely flammable and combustible. Temperature

above 50 2/120 may cause bursting and contents

under pressure may discharge.

Precautions in connection with

Confine fire to immediate area.

Fire:

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 Odor Red or green powder dispensed as an aerosol.

Odorless



Safety Data Sheet

(Isobutane) 2.01

Not Determined

Not Determined

Minimal

N/A

120° F

(Isobutane) 10.9° F

(Isobutane) 0.5631

Page 3 of 5

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Vapor Pressure (mm Hg and

Temperature)

Vapor Density (AIR=1)

Boiling Point

Freezing / Melting Point

Solubility in Water

Specific Gravity **Evaporation Rate**

Water Reactive

Flash Point

Flammable Limits LEL

Self-igniting

Product is not self-igniting

(Isobutane @ 32 F) 1,519.0

Maintain level below 0.25 LEL. May displace

oxygen in air

Flammable Limits UEL

Not determined

10. STABILITY AND REACTIVITY

Chemical Stability

Conditions to Avoid

Incompatible Materials

Hazardous Decomposition

Products

Hazardous Reactions

Stable N/A

May react with oxidizing materials.

None known

None known

11. TOXICOLOGICAL INFORMATION

Hazardous Ingredient

Routes of Exposure

Skin

Eyes

Sensitization

N/A

N/A No irritant effect

No irritating effect

No sensitizing effects known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no CFC's. Propellants are ecologically

safe. Not hazardous for water.

Persistence and Degradability

Mobility

Not determined

Not determined



Page 4 of 5

Safety Data Sheet

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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

UN Proper Shipping Name

Class and Subsidiary Risk

Packing Group

Special Precautions for User

Hazchem Code

EMS Numbers:

Marine Pollutant:

Transport Required Labeling:

UN1950

Aerosol, flammable

2.1

N/A

N/A

1T

F-D, S-U

No



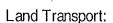
Air Transport:



All p



Maritime Transport:



15. REGULATORY INFORMATION

Consumer Commodity

AICS (Australia)

Precautionary Phrases:

ORM-D (Ground), ID 8000 (Air)

All ingredients are listed

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

Legal Disclaimer:

Information contained in this MSDS 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.

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