

1. Identification

Product Identifier: **Enviro-Barrier™ VP**

Manufacturer:

Hohmann & Barnard, Inc.
30 Rasons Court
Hauppauge, NY 11788
(631) 234-0600
www.h-b.com

Telephone Numbers

During normal business hours call: (800) 645-0616
24-hour emergency call Chemtrec: (800) 255-3924
(Outside the U.S.): 813-248-0585

Recommended use: Vapor Permeable Air Barrier

2. Hazards Identification

Signal Word: WARNING



GHS Label Statements

Hazard Statements:

Harmful if inhaled
Can cause mild skin reaction
Can cause eye irritation

GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxicity-Inhalation (Vapors) Category 4
Toxicity-Inhalation (Dust-mists) Category 4
Eye irritation – Category 2
Skin irritation – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.

Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.

Storage: Keep closures tight and containers upright to prevent leakage. **KEEP FROM FREEZING.**

Product is non-combustible.

Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.

Hazards Not Otherwise Classified (NHOC): Not applicable

Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.

Other Information: Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight, %*</u>
Latex emulsion solids	Proprietary	20-30
Calcium carbonate	1317-65-3	40-50

**The exact concentration of composition has been withheld as a trade secret.*

4. First-Aid Measures

General Advice: Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact: If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact: Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation: Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion: Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects: Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically. May cause sensitization of susceptible persons.

5. Fire-fighting measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/ or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code

Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data:

Sensitivity to mechanical impact No.

Sensitivity to static impact No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8.

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied

8. Exposure controls/personal protectionExposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium carbonate		TWA: 15mg/m ³	TWA: 5 mg/m ³ respirable dust
1317-65-3		TWA: 5 mg/m ³	TWA: 10 mg/m ³ total dust
		(vacated) TWA: 15 mg/m ³	
		(vacated) TWA: 5 mg/m ³	

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines:

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles).

None required for consumer use.

Skin and body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Physical State: Viscous liquid

Odor: Very Slight

Appearance: Blue

Odor Threshold: No information available

Color: No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range		
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available
Particle size distribution	No data available

10. Stability and reactivity

Reactivity: No data available
 Conditions to Avoid: Excessive heat
 Chemical Stability: Stable under recommended storage conditions
 Incompatible Materials: None known based on information supplied
 Possibility of Hazardous Reactions : None under normal processing
 Hazardous Decomposition Products :Carbon oxides
 Hazardous Polymerization: Hazardous polymerization does not occur

11. Toxicological information

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information
 Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).
 Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.
 Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation.
 Prolonged contact may cause redness and irritation.
 Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
 Component Information: No data available

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.
 Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure
 Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.
 Mutagenic Effects: No information available
 Carcinogenicity: No data available

ACGIH (American Conference of Governmental Industrial Hygienists): A2 – Suspected Human Carcinogen
 IARC (International Agency for Research on Cancer): Group 2B – Possibly Carcinogenic to Humans
 OSHA (Occupational Safety and Health Administration of the US Department of Labor): X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	ATEmix (inhalation-dust/mist)
8,711.00 mg/kg	2.41 mg/l
ATEmix (dermal)	ATEmix (inhalation-vapor)
21,608.00 mg/kg (ATE)	16.00 ATEmix
ATEmix (inhalation-gas)	
3,118.00 ppm (4hr)	

12. Ecological Information

Ecotoxicity: No data available
 Persistence and Degradability: No information available
 Bioaccumulation: No data available
 Other Adverse Effects: No information available

13. Disposal Considerations

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations
California Hazardous Waste Codes: 331

14. Transport information

DOT Not Regulated
Proper Shipping Name Non-Regulated
Hazard Class N/A

TDG
No data available

IATA
No data available

IMDG/IMO
No data available

15. Regulatory Information

International Inventories

TSCA Complies
DSL All components are listed either on the DSL or NDSL
TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
No data available

SARA 311/312 Hazard Categories

Acute Health Hazard		Yes
Chronic Health Hazard	Yes	
Fire Hazard		No
Sudden release of pressure hazard		No
Reactive Hazard		No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains no Proposition 65 chemicals:

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Calcium carbonate – 1317-65-3	X	X	X		

International Regulations

Canada

WHMIS Hazard Class

D2A – Very toxic materials

D2B – Toxic materials.

**16. Other information**

Issue Date: May 31, 2015

Revision Date: May 31, 2015

Disclaimer: All information, recommendations, and suggestions appearing herein concerning this product are taken from sources or based upon data believed to be reliable. Although reasonable care has been taken in the preparation of this information, Hohmann & Barnard extends no warranties or guarantees, express or implied, makes no representations, and assumes no responsibility as to the accuracy, reliability or completeness of the information presented. Since the actual use of the product described herein is beyond our control, POSCO assumes no liability arising out of the use of the product by others. It is the user's responsibility to determine the suitability of the information presented herein, to assess the safety and toxicity of the product under their own conditions of use, and to comply with all applicable laws and regulations. Appropriate warnings and safe handling procedures should be provided to handlers and users.