

MATERIAL SAFETY DATA SHEET for HIBOND

**Section 1 – Manufacturer Information**

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**Section 2 – Hazardous Ingredients**

*Hazardous Ingredients:*

Residual Vinyl Acetate Monomer CAS #00108-05-4

*OSHA PEL:*

10 ppm

*ACGIH TLV:*

10 ppm

*Other Limits:*  
NONE

*Contents (%)*

GENERAL INFORMATION: To the best of our knowledge the information contained herein is correct. Lambert Corporation of Florida, Inc. assumes no responsibility for accuracy or completeness. User is responsible for suitability.

**FOR INDUSTRIAL USE ONLY.**

**HMIS Rating:** Health -1 Flammability - 0 Reactivity - 0 Personal Protection – B

**Section 3 – Physical/Chemical Characteristics**

*Boiling Point:* 200 °F  
*Vapor Pressure (mm Hg.):* 92 @ 20°C  
*Vapor Density (AIR = 1):* <1

*Specific Gravity (H2) = 1):* 1.0-1.2  
*Melting Point:* N/A  
*Evaporation Rate (Butyl Acetate = 1):* <1

*Solubility in Water:* SOLUBLE

*Appearance and Odor:* MILKY WHITE LIQUID, MILD NON-IRRITATING ODOR.

**Section 4 – Fire and Explosion Hazard Data**

*Flash Point (Method Used):* NON-FLAMMABLE IN LIQUID STATE.

*Extinguishing Media:* USE WATER SPRAY, FOAM, DRY CHEMICAL OR CARBON DIOXIDE ON DRIED PRODUCT.

*Flammable Limits In air % by volume:*  
N/A

*LEL*  
2.6%

*UEL*  
N/A

*Special Fire Fighting Procedures :* WEAR SCBA AND FULL PROTECTIVE EQUIPMENT. BURNING OF DRIED FILM IS SIMILAR TO WOOD – IT MAY PRODUCE DENSE, BLACK SMOKE.

*Unusual Fire and Explosion Hazards:* THERE IS THE POSSIBILITY OF PRESSURE BUILDUP IN CLOSED CONTAINERS WHEN HEATED. USE WATER SPRAY TO COOL CONTAINERS.

**Section 5 – Reactivity Data**

*Stability:*  Stable  Unstable

*Conditions to Avoid:* PROTECT FROM FREEZING. STORE MATERIAL AT TEMPERATURES BETWEEN 40°F AND 90°F.

*Incompatibility (Materials to Avoid):* NONE ESTABLISHED

*Hazardous Decomposition of Byproducts:* INCOMPLETE COMBUSTION CAN YIELD LOW MOLECULAR WEIGHT HYDROCARBONS, CARBON MONOXIDE.

*Hazardous Polymerization:*  May Occur  Will Not Occur

*Conditions to Avoid:* N/A

**Section 6 – Health Hazard Data***Routes of Entry:*

Eyes: IRRITANT  
Inhalation: MILD IRRITANT  
Skin: MILD IRRITANT  
Ingestion: N/A

*Health Hazards (Acute and Chronic):* VINYL ACETATE HAD BEEN SHOWN TO CAUSE CANCER IN TEST WITH LAB ANIMALS. OVEREXPOSURE MAY INCREASE CANCER RISK. OVEREXPOSURE TO VINYL ACETATE SHOULDN'T OCCUR WITH NORMAL HANDLING AND USE. THIS PRODUCT ALSO CONTAINS TRACE AMOUNTS (LESS THAN 0.1%) OF FORMALDEHYDE. FORMALDEHYDE HAD BEEN IDENTIFIED AS AN ANIMAL CARCINOGEN. OVEREXPOSURE TO FORMALDEHYDE SHOULD NOT OCCUR WITH NORMAL HANDLING AND USE.

*Carcinogenicity:* SEE ABOVE

NTP: N/A

IARC Monographs: N/A

OSHA Regulated: N/A

*Signs and Symptoms of Exposure:* DIRECT & REPEATED EYE AND SKIN CONTACT MAY CAUSE MILD IRRITATION. EXPOSURE TO VAPORS IN POORLY VENTILATED AREAS MAY CAUSE IRRITATION TO THE NOSE, THROAT & UPPER RESPIRATORY TRACT.

*Medical Conditions Generally Aggravated by Exposure:* NO KNOWN EFFECTS ON OTHER ILLNESSES.

*Emergency First Aid Procedures:* **EYES:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. **SKIN:** WASH WITH SOAP AND WATER. **INHALATION:** REMOVE SUBJECT TO FRESH AIR. **INGESTION:** IF VICTIM IS CONSCIOUS, GIVE AT LEAST 2 LARGE GLASSES OF WATER AND CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Section 7 – Precautions for Safe Handling and Use**

*Steps to be Taken in Case Material is Released or Spilled:* DIKE IF NECESSARY, CONTAIN SPILL WITH INERT ABSORBENT AND TRANSFER TO CONTAINERS FOR DISPOSAL. KEEP SPILLED PRODUCT OUT OF SEWERS, WATERSHEDS OR WATER SYSTEMS. SPILLS MAY CAUSE SLIPPERY SURFACE. KEEP SPECTATORS AWAY.

*Waste Disposal Method:* COAGULATE LIQUID WITH ADDITION OF FERRIC CHLORIDE AND LIME. DISPOSE OF IN APPROVED LANDFILL ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

*Precautions to be Taken in Handling and Storage:* IN STORAGE, MONOMER VAPORS WILL MIGRATE FROM THE EMULSION & ESTABLISH AN EQUILIBRIUM BETWEEN THE HEADSPACE IN THE STORAGE CONTAINER & THE LIQUID EMULSION. ALL PROCEDURES APPROPRIATE FOR A CONFINED SPACE ENTRY SHOULD BE COMPLETED PRIOR TO ANY WORK IN BULK STORAGE.

*Other Precautions:* KEEP FROM FREEZING. DRIED MATERIAL IS HARD TO REMOVE. MATERIAL MAY DEVELOP BACTERIA ODOR ON LONG TERM STORAGE. USE WITHIN SIX MONTHS.

**Section 8 – Control Measures**

*Respiratory Protection (Type):* NOT NORMALLY REQUIRED

*Ventilation:*

Local Exhaust: PROVIDE STANDARD INDUSTRIAL VENTILATION

Mechanical (General):

Special: N/A

Other:

*Protective Gloves:* FOR REPEATED USE – RUBBER GLOVES.

*Eye Protection:* SAFETY GLASSES ARE RECOMMENDED.

*Other Protective Clothing or Equipment:* PROTECTIVE CLOTHING IF PREFERRED. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. EYE BATH IN VICINITY

*Work/Hygienic Practices:* PRACTICE GOOD HOUSEKEEPING. USE GOOD PERSONAL HYGIENE PRACTICES.