

**MATERIAL SAFETY DATA SHEET**

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GENERAL INFORMATION NUMBER: (800) 239-5699

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**I - Product Identification****Barrier**

PRODUCT CODE:

CHEMICAL FORMULATION: Water-based coating

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

**II - Hazardous Ingredients**

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS # Mixture
				302	355	372	
Vinyl Alcohol Polymers and Copolymers	10.0-15.0	N/E	N/E	N	N	N	

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

**III - Physical Data**

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.03  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): <1.0  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Soluble pH: 7.0-8.0  
APPEARANCE AND ODOR: White opaque liquid; mild fragrance

**IV - Fire and Explosion Hazard Data**

FLASH POINT (°F): N/A (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: None

PRODUCT NAME: Barrier

PRODUCT CODE: 0333

**V - Reactivity Data****STABILITY:** Stable**INCOMPATIBILITY:** None reasonably foreseeable.**CONDITIONS TO AVOID:** Excess heat and open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of carbon.**HAZARDOUS POLYMERIZATION:** Will not occur.**VI - Health Hazard Data****ROUTES OF ENTRY INHALATION: EYE CONTACT: X SKIN CONTACT: INGESTION:**  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:**

None

**EFFECTS OF OVEREXPOSURE****IF IN EYES:** May cause irritation.**IF ON SKIN:** None expected with normal use. May cause irritation with prolonged or repeated exposure.**IF SWALLOWED:** Toxicity is predicted to be low. May cause nausea.**IF INHALED:** None expected with normal use.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.**IF INHALED:** Remove person to fresh air. If breathing stops give artificial respiration. Seek medical attention immediately.**VII - Spill or Leak Protection****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.**VIII - Special Protection Information****RESPIRATORY PROTECTION:** Use with adequate ventilation.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** None required normal use, otherwise chemical resistant.**EYE PROTECTION:** None required under normal use, otherwise, safety glasses.**OTHER PROTECTIVE EQUIPMENT:** None.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat or open flame. Keep container tightly closed when not in use.**OTHER PRECAUTIONS:** Keep out of reach of children.**IX - Transportation Information (ground transportation only)****DOT ID #:** None**DOT PROPER SHIPPING NAME:** None**DOT CLASS:** None**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

**REVISION DATE:** July 1, 2011**Prepared by:** Technical Dept.**DATE OF ISSUE:** August 31, 2011

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