

W. R. GRACE

MATERIAL SAFETY DATA SHEET

Product Name: Perm-A-Barrier WB Primer

MSDS ID Number: M-85886

MSDS Date: 09/13/2011

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Perm-A-Barrier WB Primer  
**MSDS Number:** M-85886  
**Cancelled MSDS Number:** M-85734  
**MSDS Date:** 09/13/2011  
**Chemical Family Name:** Vinyl acetate-dioctyl maleate -2 ethylhexyl acrylate polymer dispersion in water  
**Product Use:** Horizontal and Vertical Grade Primer  
**Chemical Formula:** Mixture-NA  
**CAS # (Chemical Abstracts Service Number):** Mixture-NA

**Manufactured by:**

W.R.Grace & Co.-Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140

Grace Canada, Inc.  
294 Clements Road West  
Ajax, Ontario L1S 3C6

**In Case of Emergency Call:**

In USA: (617) 876-1400 In Canada: (905) 683-8561

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS#</b>	<b>Percent (max)</b>
Diethylene glycol dibenzoate	000120-55-8	1-10
Phenol, styrenated	061788-44-1	1-10
Propanol, oxybis-, dibenzoate	027138-31-4	1-10
Vinyl acetate	000108-05-4	< 1

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview:**

**Warning!**

Causes eye irritation.  
Causes skin irritation.  
Causes respiratory tract irritation.  
May be harmful if ingested.  
Causes digestive tract irritation if ingested.

**HMIS Rating:**

Health: 2  
Flammability: 1  
Reactivity: 0  
Personal Protective Equipment: H (See Section 8)

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**Potential Health Effects:**

**Inhalation:**

Spray applications of this material may create aerosols which may be irritating to the upper respiratory tract, nose, and throat.

Prolonged inhalation may cause respiratory tract irritation.

Effects include: No other effects expected unless listed below.

**Eye Contact:**

Spray applications of this material may create aerosols which may be irritating to the eyes.

Prolonged eye contact can result in redness and itching.

**Skin Contact:**

Skin contact causes irritation.

Prolonged skin contact can result in irritation causing redness and itching.

**Skin Absorption:**

Not expected to be harmful if absorbed through the skin.

**Ingestion:**

Harmful if ingested.

If ingested, causes irritation to the linings of the mouth, esophagus and stomach.

Effects include the following: No other effects expected unless listed below.

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**SECTION 4 - FIRST AID MEASURES:**

**Skin Contact:**

If discomfort or irritation persists, consult a physician.

In case of skin contact, clean fingernails and wash skin with soap and water. If residue remains, clean with waterless handcream or abrasive soap. If irritation develops, consult a physician.

Remove contaminated clothing and wash before reuse.

**Eye Contact:**

If discomfort or irritation persists, consult a physician.

Flush eyes with water for at least 15 minutes while holding eyelids open.

**Ingestion:**

If discomfort or irritation persists, consult a physician.

Never give anything by mouth to an unconscious person.

Do not induce vomiting.

**Inhalation:**

If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

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**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:**

NA Aqueous Solution

**Flash Point Method:**

Not Applicable

**Lower Explosion Limit:**

Not Available

**Upper Explosion Limit:**

Not Available

**Auto-Ignition Temperature:**

Not Available

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**NFPA Rating:**

**Health:** 1  
**Flammability:** 1  
**Reactivity:** 0

**Extinguishing Media:** In case of fire, use water spray, dry chemical, Carbon dioxide or alcohol foam.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Isolate area and keep unnecessary people away.

No special procedures specific to this product.

**Unusual Fire and Explosion Hazards:**

None known for this product.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES:**

**Spills/Leaks:**

Prevent spills from entering drinking water supplies, streams, or sewers.  
Collect material with an inert, noncombustible material and remove for disposal.

**SECTION 7 - HANDLING AND STORAGE**

**Precautionary Measures:**

Avoid contact with eyes, skin and clothing.  
Do not take internally.  
Practice good personal hygiene to avoid ingestion.  
Use only with adequate ventilation.  
Wash clothing before reuse.  
To avoid skin contact, use gloves or barrier creams. Promptly cleanse hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling.  
FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

**EXPOSURE GUIDELINES (US)**

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Diethylene glycol dibenzoate	-	-	-	-	-	-	-
Phenol, styrenated	-	-	-	-	-	-	-
Propanol, oxybis-, dibenzoate	-	-	-	-	-	-	-
Vinyl acetate	10 ppm TWA	15 ppm STEL	-	10 ppm TWA; 30 mg/m3 TWA	20 ppm STEL; 60 mg/m3 STEL	-	-

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**EXPOSURE GUIDELINES (CANADA)**

Employers should consult provincial regulatory limits for exposure guidelines which may vary locally.

**Engineering Controls:** Not generally required.

**Personal Protective Equipment:**

**Respiratory Protection:** Respiratory protection is required during spray application. A dust/mist respirator such as a 3M Type P-95 with organic vapor protection (or equivalent) is adequate. Specific working conditions, which must be assessed periodically, may require an increased level of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors and in other poorly ventilated areas. Respirators may not be required during non-spray applications and other specific situations. In all cases, maintain exposures below governmental limits specified in Section 2. (See Work/Hygenic Practices for additional information.)

**Skin Protection:** Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

**Eye Protection:** Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing.

**Work/Hygenic Practices:** Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications.

None beyond those noted above.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Appearance/Odor:</b>	Green viscous solution slight vinegar odor
<b>Odor Threshold:</b> (ppm)	Not Determined
<b>pH:</b>	4.0-5.5
<b>Vapor Pressure:</b> (Mm Hg)	Unknown
<b>Vapor Density:</b> (Air = 1)	Unknown
<b>Solubility In Water:</b>	Complete
<b>Specific Gravity:</b> (Water = 1)	~1.0
<b>Evaporation Rate:</b> (Butyl Acetate = 1)	Unknown
<b>Boiling Point:</b>	>100°C/212°F
<b>Viscosity:</b>	Unknown
<b>Bulk Density:</b> (Pounds/Cubic Foot)(Pcf)	Not Applicable
<b>% Volatiles (gr/L):</b> (70°F) (21°C)	Not Available

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**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical Stability:** Stable  
**Conditions To Avoid:** None known for this product.  
**Hazardous Polymerization:** Will not polymerize.  
**Hazardous Decomposition Products:** None known for this product.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Ingredient(No data unless listed.)**      **CAS Number**      **LD50 and LC50**  
Diethylene glycol dibenzoate      000120-55-8      Oral LD50 Rat : 2830 mg/kg;  
Dermal LD50 Rabbit : 20 mL/kg

**Carcinogenicity:**

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
Diethylene glycol dibenzoate	No	No	No	No	No	No
Phenol, styrenated	No	No	No	No	No	No
Propanol, oxybis-, dibenzoate	No	No	No	No	No	No
Vinyl acetate	No	No	Yes	No	No	No

Extended inhalation and ingestion exposure to high concentrations of Vinal acetate in animal rodent studies have resulted in increased tumor incidence. The relevance of these findings in humans is inconclusive.

**Mutagenicity:** No information available.  
**Teratogenicity:** No information available.  
**Reproductive Toxicity:** No information available.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental Fate:** No data available for product.  
**Ecotoxicity:** No data available for product.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste Disposal Procedures:** Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.

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**SECTION 14 - TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Not Applicable  
**UN/NA Number:** Not Applicable  
**Domestic Hazard Class:** Nonhazardous  
**Surface Freight Classification:** Not Applicable  
**Label/Placard Required:** Not Applicable

**SECTION 15 - REGULATORY INFORMATION**

**REGULATORY CHEMICAL LISTS:**

**CERCLA (Comprehensive Response Compensation and Liability Act):**

**(None present unless listed below)**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>CERCLA RQ</u>
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**SARA Title III (Superfund Amendments and Reauthorization Act)**

**SARA Section 312/Tier I & II Hazard Categories:**

Health Immediate (acute)	Yes
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

**302 Reportable Ingredients (Identification Threshold 1%.):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>SARA 302 TPO</u>
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**313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

**National Volatile Organic Compound Emission Standards For Adhesives and Sealants:**

**Volatile Organic Content:** (gr/L) < 10 g/l

**WHMIS Classification(s):** D2 B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

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**State Regulatory Information:**

**California Proposition 65:** This product does not contain substances known to the state of California to cause cancer, birth defects or other reproductive harm.

**Massachusetts Hazardous Substance List(Identification threshold 0.001%(1ppm)):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

**New Jersey Hazardous Substance List(Identification threshold (0.1%)):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Vinyl acetate	000108-05-4	.45

**Pennsylvania Hazardous Substance List(Identification threshold 0.01%):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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**CHEMICAL INVENTORY STATUS:**

All chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined

**SECTION 16 - OTHER INFORMATION**

**Non-Hazardous Ingredient Disclosure:**

<u>Chemical Name</u>	<u>CAS Number</u>
Water	007732-18-5
2-Butenedioic acid (2Z)-, dioctyl ester, polymer with etheny/acetate and 2-ethylhexyl 2-propenoate	025280-35-7

**Prepared by:** EH&S Department

**Approved by:** EH&S Department

**Approved Date:** 09/13/2011

**Disclaimer:**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."