

**W. R. GRACE**

**MATERIAL SAFETY DATA SHEET**

Product Name: Final Seal WB/GRACE Paver Seal WB/Primer Seal WB/ GRACE Concrete Seal W  
MSDS ID Number: MP-90324 MSDS Date: 11/102004

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

**Product Name:** Final Seal WB/ GRACE Paver Seal WB/ Primer Seal WB/ GRACE Concrete Seal W  
**MSDS Number:** MP-90324  
**Cancelled MSDS Number:** MP-90164  
**MSDS Date:** 11/10/04  
**Chemical Family Name:** Aqueous Solution of Acrylic Polymer  
**Product Use:** Masonry, Concrete Additive  
**Chemical Formula:** Mixture-NA  
**CAS # (Chemical Abstracts Service Number):** Mixture-NA  
**Manufactured by:**  
W.R.Grace & Co.-Conn. Grace Canada, Inc.  
62 Whittemore Avenue 294 Clements Road West  
Cambridge, MA 02140 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**

Ingredient	CAS#	Percent (max)
2-Butoxyethanol	000111-76-2	1-10

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview:**

**Caution!**

Causes eye irritation.  
Causes skin irritation.  
Causes respiratory tract irritation.  
May cause sensitization.  
May be harmful if absorbed through the skin.

**HMIS Rating:**

Health: 2  
Flammability: 0  
Reactivity: 0  
Personal Protective Equipment: 0

**Potential Health Effects:**

**Inhalation:**

Causes respiratory tract irritation.  
Effects include: No other effects expected unless listed below.

**Eye Contact:**

Eye contact causes irritation.

**Skin Contact:**

Skin contact causes irritation.  
Prolonged skin contact can result in irritation causing redness and itching.  
May cause sensitization.

**Skin Absorption:**

Harmful if absorbed through the skin. Effects may include those described for ingestion.

**Ingestion:**

Harmful if ingested.  
Effects include: Nausea, vomiting diarrhea, headache, dizziness and incoordination.  
2-Butoxyethanol has caused red blood cell hemolysis in laboratory animals and secondary injury to kidney and liver. However, humans appear to be resistant to these effects.

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**SECTION 4 - FIRST AID MEASURES:**

**Skin Contact:**

Wash with soap and water.  
If discomfort or irritation persists, consult a physician.  
Remove contaminated clothing and wash before reuse.

**Eye Contact:**

Flush eyes with water for at least 15 minutes while holding eyelids open.  
If discomfort or irritation persists, consult a physician.

**Ingestion:**

Do not induce vomiting.  
Never give anything by mouth to an unconscious person.  
If discomfort or irritation persists, consult a physician.

**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**

<b>Flash Point:</b>	Not Flammable
<b>Flash Point Method:</b>	Not Applicable
<b>Lower Explosion Limit:</b>	Not Available
<b>Upper Explosion Limit:</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available

**NFPA Rating:**

<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0

**Extinguishing Media:** In case of fire, use water spray, dry chemical, Carbon dioxide or 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. Water may be used to cool containers to prevent pressure build-up and possible auto-ignition or explosion. Avoid breathing hazardous vapors or products of combustion, keep upwind. Isolate area and keep unnecessary people away. Prevent run-off from fire control or dilution from entering streams or drinking water supplies.

No special procedures specific to this product.

**Unusual Fire and Explosion Hazards:**

None unless noted below.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES:**

**Spills/Leaks:**

Use proper personal protective equipment. Do not flush to sewer or allow to enter waterways. Keep unnecessary people away.

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container. For large spills, dike area and pump waste material into closed containers for disposal or reclamation.

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**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.  
**FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.**

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SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE GUIDELINES (US)

Table with 4 main columns: Ingredient, ACGIH TLV (TWA, STEL, Ceiling), OSHA PEL (TWA, STEL, Ceiling), and Other. Row 1: 2-Butoxyethanol, 20 ppm TWA, -, -, 25 ppm TWA; 120 mg/m3 TWA, -, -, -.

EXPOSURE GUIDELINES (CANADA)

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

Engineering Controls:

Not generally required.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection is not normally required. However, a chemical cartridge respirator with organic vapor cartridge and a prefilter for dusts/mits is required at or above the applicable exposure limits...

Skin Protection: Rubber or other impervious gloves should be worn to prevent skin contact.

Eye Protection: At minimum, safety glasses with side shields should be worn where exposure to excessive dust or spray is likely.

Work/Hygienic Practices: Use good personal hygiene practices. None beyond those noted above.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Table listing physical and chemical properties: Physical State (Liquid), Appearance/Odor (White milky liquid), Odor Threshold (Not Determined), pH (Not Available), Vapor Pressure (Unknown), Vapor Density (Unknown), Solubility (Soluble), Specific Gravity (1.02), Evaporation Rate (Not Applicable), Boiling Point (>212°F/100°C), Viscosity (Unknown), Bulk Density (Not Applicable), % Volatiles (Not Available).

SECTION 10 - STABILITY AND REACTIVITY

Table listing stability and reactivity: Chemical Stability (Stable), Conditions To Avoid (None known), Hazardous Polymerization (Will not polymerize), Hazardous Decomposition Products (None known).

SECTION 11 - TOXICOLOGICAL INFORMATION

Table with 3 columns: Ingredient (No data unless listed.), CAS Number, and LD50 and LC50. Row 1: 2-Butoxyethanol, 000111-76-2, Inhalation LC50 Rat: 450 ppm/4H, Inhalation LC50 Mouse: 700 ppm/7H, Oral LD50 Rat: 470 mg/kg, Oral LD50 Mouse: 1230 mg/kg, Dermal LD50 Rabbit: 220 mg/kg.

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**Carcinogenicity:**

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
2-Butoxyethanol	No	No	No	No	No	No

**Mutagenicity:** Not applicable.  
**Teratogenicity:** Not applicable.  
**Reproductive Toxicity:** Not applicable.

**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.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Proper Shipping Name:** Not Applicable  
**UN/NA Number:** Not Applicable  
**Domestic Hazard Class:** Nonhazardous  
**Surface Freight Classification:** Concrete or Masonry Plasticizer & Water Reducing Compound  
**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 TPQ</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>
Ethylene Glycol	000107-21-1	.02125

**National Volatile Organic Compound Emission Standards For Architectural Coatings:**

**Volatile Organic Content:** (gr/L) Not Applicable

**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.

**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)):**

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**Chemical Name** **CAS #** **Wt %**

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

**Chemical Name** **CAS #** **Wt %**

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

**Chemical Name** **CAS #** **Wt %**

**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	No	No	No	No	No

**SECTION 16 - OTHER INFORMATION**

**Non-Hazardous Ingredient Disclosure:**

<u>Chemical Name</u>	<u>CAS Number</u>
Water	007732-18-5
ACRYLIC POLYMER	NJ801416008

**Prepared by:** EH&S Department  
**Approved by:** EH&S Department  
**Approved Date:** 10/02/2002

**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."