

Date of preparation: 10/05/10

**SECTION I**

Manufacturer : **W. R. MEADOWS®, INC.**  
 Address : 300 Industrial Dr.  
 : Hampshire, IL 60140  
 Telephone # : (847) 683-4500  
 Emergency # : 1-800-424-9300 Chemtrec

**- H M I S -**

|                             |              |
|-----------------------------|--------------|
| <b> Health</b>              | <b>: 3  </b> |
| <b> Flammability</b>        | <b>: 3  </b> |
| <b> Reactivity</b>          | <b>: 0  </b> |
| <b> Personal Protection</b> | <b>:  </b>   |

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : DIVISION 32  
 Mfg. code I.D. : 4531100  
 Trade Name : **P/G PRIMER COMPONENT A**

**SECTION II-A HAZARDOUS COMPONENTS**

| No. | Component   | CAS#     | % by Weight | SARA 313 | VAPOR PRESSURE (mm Hg @ 20 C) | LEL (@ 25 C) |
|-----|-------------|----------|-------------|----------|-------------------------------|--------------|
| 1.  | Amine Blend | N/A      | 50-55       | NO       | N/E                           | N/E          |
| 2.  | Toluene     | 108-88-3 | 45-50       | YES      | 54.00 @ 25 C                  | 1.40         |

Amine blend contains Tetra Ethylene Pentamine (CAS# 112-57-2), Ethylene Triamine (CAS# 111-40-0), and Bis-Phenol A (CAS# 80-05-7).  
 None of the components of this product are recognized as carcinogenic. N/A: Not Applicable  
 Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

| No. | OSHA    |             |          |      | ACGIH   |             |          |      |
|-----|---------|-------------|----------|------|---------|-------------|----------|------|
|     | PEL/TWA | PEL/CEILING | PEL/STEL | SKIN | TLV/TWA | TLV/CEILING | TLV/STEL | SKIN |
| 1.  | N/E     | N/E         | N/E      | N/E  | N/E     | N/E         | N/E      | N/E  |
| 2.  | 100 ppm | 300 ppm     | 150 ppm  | N/E  | 100 ppm | N/E         | 150 ppm  | N/E  |

N/E = Not established

**SECTION III PHYSICAL DATA**

|                         |                   |                             |                   |
|-------------------------|-------------------|-----------------------------|-------------------|
| <b>Boiling Point</b>    | : 232 degrees F.  | <b>% Volatile by volume</b> | : 60%             |
| <b>Evaporation Rate</b> | : <1 (N-Buac = 1) | <b>% Volatile by weight</b> | : 57.1%           |
| <b>Vapor Density</b>    | : >1 (air = 1)    | <b>Weight per gallon</b>    | : Not established |
| <b>pH Level</b>         | : Not applicable  |                             |                   |

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of component 1 this product is presumed to be corrosive to the eyes. Exposure may cause chemical burns and extensive corneal injury.

**SKIN CONTACT:** Based on the presence of component 1, this product is presumed to be moderately irritating to the skin. Prolonged/repeated exposure may result in skin damage.

**INHALATION:** Exposure to vapors/mists is corrosive to the nose, throat, respiratory tract, and other mucous membranes. Overexposure may result in chemical pneumonitis or pulmonary edema, which are potentially fatal. Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (e.g., headache, drowsiness, loss of concentration, and fatigue). Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**INGESTION:** This product is presumed to be corrosive to the digestive tract. Ingestion may result in chemical burns.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea. Transient central nervous system depression may be evidenced by headache, dizziness, nausea, and symptoms of intoxication; in extreme cases, unconsciousness and death may occur. Symptoms of chronic overexposure include loss of memory, loss of intellectual ability, and loss of coordination.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product. Impaired central nervous system functions from pre-existing disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None recognized.

Date of preparation: 10/05/10

4531100

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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

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**EYE CONTACT:** Immediately flush eyes with copious amounts of water for at least fifteen (15) minutes while holding eyelids open. Seek prompt medical attention.

**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital or poison control center and/or transport to an emergency facility immediately.

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**SECTION VI FIRE AND EXPLOSION HAZARDS**

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**FLAMMABILITY CLASSIFICATION** - **NFPA:** Flammable Liquid – Class IB  
- **DOT:** Polyamines, flammable, corrosive, N.O.S. (Organic amines, toluene) 3, UN2733, II

**FLASH POINT:** 45 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or carbon dioxide

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

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**SECTION VII REACTIVITY**

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS AND MATERIALS TO AVOID:** Avoid oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

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**SECTION VIII EMPLOYEE PROTECTION**

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**RESPIRATORY PROTECTION:** Use ventilation as required to control vapor concentrations - at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.

**PROTECTIVE CLOTHING:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

**ADDITIONAL PROTECTIVE MEASURES:** Eye wash fountains and safety showers should be available for use in an emergency.

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**SECTION IX ENVIRONMENTAL PROTECTION**

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**SPILL OR LEAK PROCEDURES:** LARGE SPILLS >> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove/extinguish ignition sources. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

**WASTE DISPOSAL:** Observe all Federal, State and local regulations regarding proper disposal.

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**SECTION X ADDITIONAL PRECAUTIONS**

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Keep liquid and vapor away from heat, sparks, and flame. Extinguish pilot lights, cigarettes, and turn off other possible sources of ignition prior to use and until vapors are gone. Surfaces that are sufficiently hot may ignite product in the absence of sparks or flame. Vapors may accumulate and travel to ignition sources distant from the handling site. Keep containers closed when not in use. Use with adequate ventilation. Containers, even if empty, can contain explosive vapors. Do not cut, drill, grind or weld near containers. Containers can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.

Date of preparation: 09/28/10

4531100-B

**SECTION I**

Manufacturer : **W. R. MEADOWS®, INC.**  
 Address : 300 Industrial Dr.  
 : Hampshire, IL 60140  
 Telephone # : (847) 683-4500  
 Emergency # : 1-800-424-9300 Chemtrec

**- H M I S -**

|                             |              |
|-----------------------------|--------------|
| <b> Health</b>              | <b>: 2  </b> |
| <b> Flammability</b>        | <b>: 3  </b> |
| <b> Reactivity</b>          | <b>: 0  </b> |
| <b> Personal Protection</b> | <b>:  </b>   |

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : DIVISION 7  
 Mfg. code I.D. : 4531100-B  
 Trade Name : **P/G PRIMER COMPONENT B**

**SECTION II-A HAZARDOUS COMPONENTS**

| No. | Component            | CAS#      | % by Weight | SARA 313 | VAPOR PRESSURE (mm Hg @ 20 C) | LEL (@ 25 C) |
|-----|----------------------|-----------|-------------|----------|-------------------------------|--------------|
| 1.  | Butyl Glycidyl Ether | 2426-08-6 | 5-10        | NO       | 3.2 @ 25 C                    | N/A          |
| 2.  | Toluene              | 108-88-3  | 45-50       | YES      | 54.00 @ 25 C                  | 1.40         |

None of the components of this product are recognized as carcinogenic. N/A: Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

| No. | PEL/TWA               | OSHA        |          |      | ACGIH                 |             |          | SKIN |
|-----|-----------------------|-------------|----------|------|-----------------------|-------------|----------|------|
|     |                       | PEL/CEILING | PEL/STEL | SKIN | TLV/TWA               | TLV/CEILING | TLV/STEL |      |
| 1.  | 270 mg/m <sup>3</sup> | N/E         | N/E      | N/E  | 133 mg/m <sup>3</sup> | N/E         | N/E      | N/E  |
| 2.  | 100 ppm               | 300 ppm     | 150 ppm  | N/E  | 100 ppm               | N/E         | 150 ppm  | N/E  |

Skin absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.

N/E = Not established

**SECTION III PHYSICAL DATA**

|                         |                   |                             |         |
|-------------------------|-------------------|-----------------------------|---------|
| <b>Boiling Point</b>    | : 230 degrees F.  | <b>% Volatile by volume</b> | : 62.6% |
| <b>Evaporation Rate</b> | : <1 (N-Buac = 1) | <b>% Volatile by weight</b> | : 55.7% |
| <b>Vapor Density</b>    | : >1 (air = 1)    | <b>Weight per gallon</b>    | : N/E   |
| <b>pH Level</b>         | : Not applicable  |                             |         |

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of components 1 and 2 this product is presumed to be moderately irritating to the eyes. Product vapors and/or mists may also be irritating to the eyes.

**SKIN CONTACT:** Based on the presence of component 1, this product is presumed to be moderately irritating to the skin. Prolonged contact may cause damage to the skin. Based on the presence of components 1 and 2 prolonged or repeated contact may result in defatting and cracking of the skin, which may result in dermatitis.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes. Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (e.g., headache, drowsiness, loss of concentration, and fatigue). Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**INGESTION:** This product is presumed to be slightly toxic. Based on the presence of components 1 and 2 small amounts of liquid aspirated into the lungs during ingestion or from vomiting may result in severe lung damage. While this material has a low degree of toxicity, ingestion of excessive quantities may cause signs of central nervous system depression (e.g., headache, fatigue, drowsiness, dizziness, and loss of coordination).

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea. Transient central nervous system depression may be evidenced by headache, dizziness, nausea, and symptoms of intoxication; in extreme cases, unconsciousness and death may occur. Symptoms of chronic overexposure include loss of memory, loss of intellectual ability, and loss of coordination.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product. Impaired central nervous system functions from pre-existing disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None recognized.

Date of preparation: 09/28/10

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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

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**EYE CONTACT:** Immediately flush eyes with water for fifteen (15) minutes. Seek medical attention if any symptoms persist.**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.**INHALATION:** Remove victim to fresh air and treat symptomatically. Provide oxygen if breathing is difficult. Give artificial respiration if the victim is not breathing. Seek prompt medical attention.**INGESTION:** Do not induce vomiting. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Since aspiration into the lungs can cause very serious, permanent damage, the decision of whether to induce vomiting or not should be made by a physician. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Consult a physician, hospital or poison control center and/or transport to an emergency facility immediately.

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**SECTION VI FIRE AND EXPLOSION HAZARDS**

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**SECTION VII REACTIVITY**

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**SECTION VIII EMPLOYEE PROTECTION**

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**SECTION X ADDITIONAL PRECAUTIONS**

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The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.