

Date of preparation: 08/25/10

**SECTION I**

Manufacturer : **W. R. MEADOWS®, INC.**  
 Address : 300 Industrial Drive  
 : Hampshire, Illinois 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>: 1  </b>
<b> Reactivity</b>	<b>: 1  </b>
<b> Personal Protection</b>	<b>:  </b>

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

Product Class : DIVISION 2  
 Mfg. code I.D. : 4010101  
 Trade Name : **GARDOX® COMPONENT A**

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Polycyclic Aromatic Hydrocarbons	64742-90-1	45-50	NO	N/A	N/A
2.	Urethane Prepolymer	1321-38-6	35-40	NO	N/A	N/A
3.	Toluene Diisocyanate	26471-62-5	0-1	YES	N/A	N/A
4.	Calcium Oxide	1305-62-0	1-5	NO	N/A	N/A
5.	Naphthalene	91-20-3	5-10	YES	N/A	N/A
6.	Anthracene	120-12-7	1-3	YES	N/A	N/A

Component #3 is regulated as a carcinogen IARC Group 2B.

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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	N/E	0.02 PPM	N/E	N/E	0.005 PPM	N/E	N/E	N/E
4.	5 mg/m3*	N/E	N/E	N/E	2 mg/m3*	N/E	N/E	N/E
5.	10 PPM	N/E	15 PPM	N/E	10 PPM	N/E	15 PPM	N/E
6.	0.2 mg/m3	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not established \* : Total Dust

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: > 200 C	<b>% Volatile by volume</b>	: N/E (Theoretical)
<b>Evaporation Rate</b>	: <1 (ether = 1)	<b>% Volatile by weight</b>	: N/E (Theoretical)
<b>Vapor Density</b>	: >1 (air = 1)	<b>Weight per gallon</b>	: 8.66 (Theoretical)

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Product vapors/mists may be mild to moderately irritating to the eyes.

**SKIN CONTACT:** Exposure may produce mild to moderate skin irritation. Prolonged/repeated contact may result in defatting/drying of the skin which may result in dermatitis.

**INHALATION:** Overexposure to vapors/mists may result in irritation to the respiratory tract. Prolonged exposures may also result in irritation as well as sensitization reactions.

**INGESTION:** Not an expected exposure route. Ingestion may result in mild to moderate irritation of the digestive tract.

**SIGNS AND SYMPTOMS:** Symptoms will vary from mild to moderate irritation based on the concentration of the material and the duration of the exposure.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to this product. Individuals with a history of respiratory illness or sensitization to urethanes should be precluded from exposure to products containing isocyanates.

**OTHER HEALTH EFFECTS:** Component #6 may cause reproductive/teratogenic effects.

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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 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 two glasses of water unless the victim is unconscious or very drowsy. Induce vomiting by giving two tablespoons of Ipecac or by touching a finger to the back of the victim's throat. 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: Not Regulated  
- DOT: Not Regulated

**FLASH POINT:** >200 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 need 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, moisture, and strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Aromatic Hydrocarbons, Sulfur, and Hydrogen Cyanide. 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. 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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Containers may contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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