

Date of preparation: 07/01/04

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
 Address : 2300 West Valley Boulevard  
 : Pomona, CA 91768

**- H M I S -**

Health	: 1
Flammability	: 1
Reactivity	: 0
Personal Protection	:

Telephone # : (909) 469-2608  
 Emergency # : 1-800-424-9300 Chemtrec

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

Mfg. code I.D. : 4702010  
 Trade Name : **DECK-O-SEAL GG BASE**

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Diethylene Glycol Dibenzoate	120-55-8	5-10	NO	N/A	N/A
2.	Dipropylene Glycol Dibenzoate	27138-31-4	5-10	NO	N/A	N/A
3.	Titanium Dioxide	13463-67-7	1-5	NO	N/A	N/A
4.	Limestone	1317-65-3	20-25	NO	N/A	N/A
5.	Silicon Dioxide, Amorphous	67762-90-7	1-5	NO	N/A	N/A

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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	15 mg/m <sup>3</sup> *	N/E	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
4.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
5.	80 mg/m <sup>3</sup>	N/E	N/E	N/E	5 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup> *	N/E	N/E

N/E = Not established      \* = Total dust      \*\* = Respirable dust

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: Greater than 500 degrees F	<b>% Volatile by volume</b>	: Not applicable
<b>Evaporation Rate</b>	: < 1 (N-Butyl Acetate = 1)	<b>% Volatile by weight</b>	: Not applicable
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 11.40 (Theoretical)
<b>pH Level</b>	: Not applicable		

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of components 1 and 2 this product may cause slight eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Prolonged contact may result in drying/defatting of the skin.

**INHALATION:** Inhalation of concentrated vapors may irritate the nose and throat.

**INGESTION:** Based on the presence of component 1 single dose oral toxicity is low. Ingestion may cause irritation of the gastrointestinal tract and/or ulceration/burns in the throat and mouth.

**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.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired asthmatic conditions may be aggravated from prolonged and continuous exposure to dust. Functions from pre-existing disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None known.

Date of preparation: 07/01/04

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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek 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.

**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: Not regulated  
- DOT: Not regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear 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 may 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 and strong acids.

**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. 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 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: 07/25/05

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
Address : 2300 West Valley Boulevard  
: Pomona, CA 91768

Telephone # : (909) 469-2608  
Emergency # : 1-800-424-9300 Chemtrec

Mfg. code I.D. : 4703022  
Trade Name : **DECK-O-SEAL 125 SETTING AGENT - GREY**

**- H M I S -**

<b> Health</b>	<b>: 1  </b>
<b> Flammability</b>	<b>: 1  </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)

**SECTION II-A HAZARDOUS COMPONENTS**

No. Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1. Diethylene Glycol Dibenzoate	120-55-8	10-15	NO	N/A	N/A
2. Dipropylene Glycol Dibenzoate	27138-31-4	10-15	NO	N/A	N/A
3. Titanium Dioxide	13463-67-7	5-10	NO	N/A	N/A
4. Limestone	1317-65-3	45-50	NO	N/A	N/A
5. Bisphenol A/Epichlorohydrin Resin	25068-38-6	5-10	NO	N/A	N/A
6. Dimethylbenzyl Hydroperoxide	80-15-9	5-10	YES	2.00	N/A

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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	15 mg/m <sup>3</sup> *	N/E	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
4.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
5.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
6.	N/E	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>	: 250 degrees F	<b>% Volatile by volume</b>	: Not applicable
<b>Evaporation Rate</b>	: < 1 (ether = 1)	<b>% Volatile by weight</b>	: Not applicable
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 12.90 (Theoretical)
<b>pH Level</b>	: Not applicable		

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** This product may cause mild to moderate eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Based on the presence of component 5 contact with the skin may result in skin sensitization to epoxies. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Based on the presence of component 6 exposure to mist or spray may cause coughing, sneezing, or other symptoms of upper respiratory tract irritation. Based on the presence of component 5 as a result of repeated overexposures or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to epoxies which will cause them to react to a later exposure at very low levels. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INGESTION:** This product may produce moderate irritation of the digestive tract.

**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. Skin sensitization results in allergic dermatitis which may include rash, itching, hives and swelling of extremities. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing and coughing. These symptoms may be immediate or delayed up to several hours.

Date of preparation: 07/25/05

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, recurrent skin eczema, sensitization or allergies should be excluded from working with epoxies.

**OTHER HEALTH EFFECTS:** None known.

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## SECTION V EMERGENCY AND FIRST AID PROCEDURES

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek 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:** 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. Damage 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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**FLAMMABILITY CLASSIFICATION**

- NFPA: Not regulated
- DOT: Not regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear 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 may 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, strong acids, lead, copper, and their alloys, zinc, amines, polyamines, and polyamides under uncontrolled conditions

**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. 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 can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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: 07/25/05

DECK-O-SEAL 125 SETTING AGENT - GREY

4703022  
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Date of preparation: 07/25/05

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
Address : 2300 West Valley Boulevard  
: Pomona, CA 91768

Telephone # : (909) 469-2608  
Emergency # : 1-800-424-9300 Chemtrec

Mfg. code I.D. : 4702023  
Trade Name : **DECK-O-SEAL GG SETTING AGENT - TAN**

**- H M I S -**

<b> Health</b>	<b>: 1  </b>
<b> Flammability</b>	<b>: 1  </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)

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Diethylene Glycol Dibenzoate	120-55-8	10-15	NO	N/A	N/A
2.	Dipropylene Glycol Dibenzoate	27138-31-4	10-15	NO	N/A	N/A
3.	Titanium Dioxide	13463-67-7	25-30	NO	N/A	N/A
4.	Limestone	1317-65-3	25-30	NO	N/A	N/A
5.	Bisphenol A/Epichlorohydrin Resin	25068-38-6	5-10	NO	N/A	N/A
6.	Silicon Dioxide, Amorphous	67762-90-7	1-5	NO	N/A	N/A
7.	Dimethylbenzyl Hydroperoxide	80-15-9	5-10	YES	2.00	N/A

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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	15 mg/m <sup>3</sup> ++	N/E	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
4.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
5.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
6.	80 mg/m <sup>3</sup>	N/E	N/E	N/E	5 mg/m <sup>3</sup> +	10 mg/m <sup>3</sup> *	N/E	N/E
7.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not established

\* = Total dust

+ = Respirable dust

++ = 5 mg/m<sup>3</sup> Respirable fraction

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: 250 degrees F	<b>% Volatile by volume</b>	: Not applicable
<b>Evaporation Rate</b>	: < 1 (ether = 1)	<b>% Volatile by weight</b>	: Not applicable
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 13.98 (Theoretical)
<b>pH Level</b>	: Not applicable		

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** This product may cause mild to moderate eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Based on the presence of component 5 contact with the skin may result in skin sensitization to epoxies. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Based on the presence of component 7 exposure to mist or spray may cause coughing, sneezing, or other symptoms of upper respiratory tract irritation. Based on the presence of component 5 as a result of repeated overexposures or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to epoxies which will cause them to react to a later exposure at very low levels. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INGESTION:** This product may produce moderate irritation of the gastrointestinal tract.

**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. Skin sensitization results in allergic dermatitis which may include rash, itching, hives and swelling of extremities. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing and coughing. These symptoms may be immediate or delayed up to several hours.

Date of preparation: 07/25/05

**DECK-O-SEAL GG SETTING AGENT - TAN**

Date of preparation: 07/25/05

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired asthmatic conditions may be aggravated from prolonged and continuous exposure. Functions from pre-existing disorders may be aggravated by exposure to this product. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, recurrent skin eczema, sensitization or allergies should be excluded from working with epoxies.

**OTHER HEALTH EFFECTS:** None known.

## SECTION V EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek 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:** 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. Damage 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.

## SECTION VI FIRE AND EXPLOSION HAZARDS

**FLAMMABILITY CLASSIFICATION** - NFPA: Not regulated  
- DOT: Not regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear 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 may 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.

## SECTION VII REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS AND MATERIALS TO AVOID:** Avoid oxidizing materials, strong acids, lead, copper, and their alloys, zinc, amines, polyamines, and polyamides under uncontrolled conditions

**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.

## SECTION VIII EMPLOYEE PROTECTION

**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.

## SECTION IX ENVIRONMENTAL PROTECTION

**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.

## SECTION X ADDITIONAL PRECAUTIONS

Containers can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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: 07/25/05

**DECK-O-SEAL GG SETTING AGENT - TAN**

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Page 2

Date of preparation: 07/25/05

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
 Address : 2300 West Valley Boulevard  
 : Pomona, CA 91768

Telephone # : (909) 469-2608  
 Emergency # : 1-800-424-9300 Chemtrec

Mfg. code I.D. : 4702022  
 Trade Name : **DECK-O-SEAL GG SETTING AGENT - GREY**

**- H M I S -**

<b> Health</b>	<b>: 2  </b>
<b> Flammability</b>	<b>: 1  </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)

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Diethylene Glycol Dibenzoate	120-55-8	10-15	NO	N/A	N/A
2.	Dipropylene Glycol Dibenzoate	27138-31-4	10-15	NO	N/A	N/A
3.	Titanium Dioxide	13463-67-7	5-10	NO	N/A	N/A
4.	Limestone	1317-65-3	45-50	NO	N/A	N/A
5.	Bisphenol A/Epichlorohydrin Resin	25068-38-6	5-10	NO	N/A	N/A
6.	Silicon Dioxide, Amorphous	67762-90-7	1-5	NO	N/A	N/A
7.	Dimethylbenzyl Hydroperoxide	80-15-9	5-10	YES	2.00	N/A

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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	15 mg/m <sup>3</sup> ++	N/E	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
4.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
5.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
6.	80 mg/m <sup>3</sup>	N/E	N/E	N/E	5 mg/m <sup>3</sup> +	10 mg/m <sup>3</sup> *	N/E	N/E
7.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not established      \* = Total dust      + = Respirable dust      ++ = 5 mg/m<sup>3</sup> Respirable fraction

**SECTION III PHYSICAL DATA**

<b>Boiling Point</b>	: 250 degrees F	<b>% Volatile by volume</b>	: Not applicable
<b>Evaporation Rate</b>	: < 1 (ether = 1)	<b>% Volatile by weight</b>	: Not applicable
<b>Vapor Density</b>	: > 1 (air = 1)	<b>Weight per gallon</b>	: 13.98 (Theoretical)
<b>pH Level</b>	: Not applicable		

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** This product may cause mild to moderate eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Based on the presence of component 5 contact with the skin may result in skin sensitization to epoxies. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Based on the presence of component 7 exposure to mist or spray may cause coughing, sneezing, or other symptoms of upper respiratory tract irritation. Based on the presence of component 5 as a result of repeated overexposures or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to epoxies which will cause them to react to a later exposure at very low levels. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INGESTION:** This product may produce mild to moderate irritation of the gastrointestinal tract.

**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. Skin sensitization results in allergic dermatitis which may include rash, itching, hives and swelling of extremities. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing and coughing. These symptoms may be immediate or delayed up to several hours.

Date of preparation: 07/25/05

**DECK-O-SEAL GG SETTING AGENT - GREY**

Date of preparation: 07/25/05

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired asthmatic conditions may be aggravated from prolonged and continuous exposure. Functions from pre-existing disorders may be aggravated by exposure to this product. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, recurrent skin eczema, sensitization or allergies should be excluded from working with epoxies.

**OTHER HEALTH EFFECTS:** None known.

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## SECTION V EMERGENCY AND FIRST AID PROCEDURES

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek 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:** 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. Damage 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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**FLAMMABILITY CLASSIFICATION** - NFPA: Not regulated  
- DOT: Not regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear 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 may 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, strong acids, lead, copper, and their alloys, zinc, amines, polyamines, and polyamides under uncontrolled conditions

**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. 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 can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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: 07/25/05

**DECK-O-SEAL GG SETTING AGENT - GREY**4702022  
Page 2



\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

Date of preparation: 09/23/10

4702021

**SECTION I**

Manufacturer : **W. R. MEADOWS® OF CANADA**

Address : 70 Hannant Court  
: Milton, ON L9T 5C1

Telephone # : (905) 878-4122

Emergency # : 1-800-424-9300 Chemtrec

- H M I S -

**|Health** : 1|

**|Fire** : 1|

**|Reactivity** : 0|

**|Person Protection** : |

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

Product Identification Number: 4702021

Product Identifier : DECK-O-SEAL® GUN GRADE SETTING AGENT-WHITE

**SECTION II-A HAZARDOUS COMPONENTS**

No. Component	CAS#	% By Weight	SARA 313	VAPOR PRESSURE (MM Hg @ 20 C)	LEL (@ 25 C)
1. Diethylene Glycol Dibenzoate	120-55-8	10-15	NO	N/A	N/A
2. Dipropylene Glycol Dibenzoate	27138-31-4	10-15	NO	N/A	N/A
3. Titanium Dioxide	13463-67-7	25-30	NO	N/A	N/A
4. Limestone	1317-65-3	25-30	NO	N/A	N/A
5. Bisphenol A/Epichlorohydrin Resin	25068-38-6	5-10	NO	N/A	N/A
6. Silicon Dioxide, Amorphous	67762-90-7	1-5	NO	N/A	N/A
7. Dimethylbenzyl Hydroperoxide	80-15-9	5-10	YES	2.00	N/A

None of the components of this product are recognized as carcinogenic..

Under the reporting requirements of Section 313 of the 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"

N/A = Not Applicable

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

No.	PEL/TWA	OSHA		SARA		ACHIH		
		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.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	15 mg/m <sup>3</sup> ++	N/E	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
4.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
5.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
6.	80 mg/m <sup>3</sup>	N/E	N/E	N/E	5 mg/m <sup>3</sup> *	10 mg/m <sup>3</sup> *	N/E	N/E
7.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

N/E = Not established

\* = Total dust

+ = Respirable dust

++ = 5 mg/m<sup>3</sup> Respirable fraction

**SECTION III PHYSICAL DATA**

**Boiling Point** : 250 degrees F

**Evaporation Rate** : < 1 (ether = 1)

**Vapour Density** : > 1 (air=1)

**pH Level** : Not applicable

**% Volatile by volume** : Not applicable

**% Volatile by weight** : Not applicable

**Weight per gallon** : 13.98 (Theoretical)

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** This product may cause mild to moderate eye irritation. Corneal injury is unlikely.

**SKIN CONTACT:** Base on the presence of component 5 contact with the skin may result in skin sensitization to epoxies. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapour. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Based on the presence of component 7 exposure to mist or spray may cause coughing, sneezing, or other symptoms of upper respiratory tract irritation. Based on the presence of component 5 as a result of repeated overexposure or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to epoxies which will cause them to react to a later exposure at very low levels. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INGESTION:** This product may produce moderate irritation of the gastrointestinal tract.

**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 sore throat, abdominal pain, nausea, vomiting, and diarrhea. Skin sensitization

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

Date of preparation: 09/23/10

4702021

results in allergy dermatitis which may include rash, itching, hives and swelling extremities. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing and coughing.. These symptoms may be immediate or delayed up to several hours.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product,. Impaired asthmatic conditions may be aggravated from prolonged and continuous exposure. Functions from pre-existing disorders may be aggravated by exposure to this product. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, recurrent skin eczema, sensitization or allergies should be excluded from working with epoxies.

**OTHER HEALTH EFFECTS:** None known

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## SECTION V EMERGENCY AND FIRST AID PROCEDURES

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek 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:** 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. Damage 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

---

**FLAMMABILITY CLASSIFICATION**

- NFPA: Not regulated

- DOT: Not regulated

**FLASH POINT:** Greater than 210 degrees F

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** Clear 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 vapour pressure buildup which may 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

---

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS AND MATERIALS TO AVOID:** Avoid oxidizing materials, strong acids, lead, copper, and their alloys, zinc, amines, polyamines, and polyamides under uncontrolled conditions.

**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 vapour 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 MEASURE:** Eye wash fountains and safety showers should be available for use in an emergency.

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## SECTION IX ENVIRONMENTAL PROTECTION

---

**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 vapour 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 can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.