

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 154

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Diamond Glaze 100 Clear Part A  
PRODUCT CODES: 154 A

MANUFACTURED FOR: Berkley Specialties, Inc.  
STREET ADDRESS: 5540 Thornspring Church Rd  
CITY, STATE, ZIP: Dublin, VA 24084

INFORMATION PHONE: (540) 230-1331  
EMERGENCY PHONE: Chemtrec 800-424-9300  
FAX PHONE: (540) 980-7390

PREPARED BY: Harry Jackson

DATE REVISED: 2/18/10

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>
<u>WEIGHT %</u>				
Solid Epoxy Resin	25036-25-3	NONE	NONE	NONE
*Xylene	1330-20-7	100PPM	100PPM	150PPM 26
Fluoroaliphatic Polymeric Esters (Less than 0.3%)	UNKNOWN	NONE	NONE	NONE
Proprietary Non Hazardous Additives	UNKNOWN	NONE	NONE	NONE

### SECTION 2 NOTES:

\*\*\* Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.  
ACGIH STEL=150PPM FOR XYLENE.

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## SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: PALE YELLOW LIQUID WITH SOLVENT ODOR  
BOILING POINT OR RANGE: 279+ F  
VAPOR DENSITY (AIR = 1): Not available  
SPECIFIC GRAVITY (H2O = 1): 1.0  
EVAPORATION RATE: not available  
SOLUBILITY IN WATER: NEGLIGIBLE

### SECTION 3 NOTES:

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## SECTION 4: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: not available  
(% by volume) LOWER: not available  
FLASH POINT: 77F  
METHOD USED:  
SETA FLASH  
EXTINGUISHING MEDIA:  
FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL  
SPECIAL FIRE FIGHTING PROCEDURES:  
DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER. PRESENCE OF SOLVENTS IN PRODUCTS MAY REQUIRE GROUNDING.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
IF FIRE OCCURS, SOLVENTS MAY PRODUCE EXCESSIVE PRESSURE. SEALED DRUMS MAY RUPTURE AND IGNITE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND IGNITE BY ANY SOURCE OF IGNITION. NEVER USE A CUTTING OR WELDING TORCH NEAR CONTAINERS (EVEN EMPTY). ALL 5 GALLON AND LARGER CONTAINERS SHOULD BE GROUNDED BEFORE TRANSFERRING MATERIAL.

### SECTION 4 NOTES:

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## SECTION 5: STABILITY AND REACTIVITY

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STABILITY:  
STABLE

**CONDITIONS TO AVOID (STABILITY):**

AVOID EXCESSIVE HEAT OR OPEN FLAMES AS WELL AS ALL SOURCES OF IGNITION SUCH AS SPARKS, HEATERS, AND STATIC DISCHARGES ETC.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

AVOID AMINE CURING AGENTS IN UNCONTROLLED AMOUNTS AND STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

MAY FORM TOXIC CHEMICALS, CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS ETC..

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

**SECTION 5 NOTES:**

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**SECTION 6: HAZARDS IDENTIFICATION**

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**HMS HAZARD CLASSIFICATION**

HEALTH: 2 FLAMMIBILITY: 3 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

**POTENTIAL HEALTH EFFECTS**

**EYES:**

CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, OR BLURRED VISION.

**SKIN:**

MAY CAUSE IRRITATION, DEFATTING AND DERMATITIS.

**INGESTION:**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITTING, DIARRHEA AND ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

**INHALATION:**

CAN CAUSE NAUSEA AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, HEADACHE AND POSSIBLE UNCONSCIOUSNESS

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR. OVER EXPOSURE TO THIS MATERIAL CAN CAUSE CARDIAC ABNORMALITIES, ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE OR EVEN EYE DAMAGE.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

**CARCINOGENICITY**

OSHA: NO NTP: NO IARC: NO

**ADDITIONAL CARCINOGENICITY INFORMATION:**

NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS

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**SECTION 7: FIRST AID MEASURES**

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**EYES:**

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

**SKIN:**

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

**INGESTION:**

DO NOT INDUCE VOMITING, KEEP PERSON WARM AND CONSULT A PHYSICIAN IMMEDIATELY.

**INHALATION:**

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

**SECTION 7 NOTES:**

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**SECTION 8: RELEASE MEASURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. REMOVE ALL SOURCES OF IGNITIONS. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT MATERIAL SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 154

SECTION 8 NOTES:

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## SECTION 9: WASTE DISPOSAL

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WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACORDANE WITH LOCAL, STATE, AND FEDERAL LAW.

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## SECTION 10: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS. KEEP MATERIAL AWAY FROM ALL SOURCES OF IGNITION.

OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF. WEAR APPROPRIATE SAFETY EQUIPMENT AND RESPIRATOR AT ALL TIMES WHEN VENTILLATION IS NOT SUFFICIENT TO CONTROL VAPORS.

SECTION 10 NOTES:

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## SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

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RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. ENGINEERING OR ADMINISTRATIVE MEASURES SHOULD BE TAKEN TO REDUCE THE RISK AND EXPOSURE.

VENTILATION:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TOXIC LEVEL VALUES.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGENIC PRACTICES.

SECTION 11 NOTES:

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## SECTION 12: DISCLAIMER

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DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 154

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Diamond Glaze 100 Clear Part B  
PRODUCT CODES: 154 B

MANUFACTURED For: Berkley Specialties, Inc.  
STREET ADDRESS: 5540 Thornspring Church Rd  
CITY, STATE, ZIP: Dublin, VA 24084

INFORMATION PHONE: (540) 230-1331  
EMERGENCY PHONE: Chemtrec 800-424-9300  
FAX PHONE: (540) 980-7390

PREPARED BY: Harry Jackson

DATE REVISED: 2/18/10

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u> <u>WEIGHT %</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	
*Xylene	1330-20-7	100PPM	100PPM	150PPM	35
TRIETHYLENE TETRAMINE	112-24-3	NONE	NONE	NONE	
Dimer/tofa, reaction products with Teta	68082-29-1	NONE	NONE	NONE	
TRIS-2,4,6-DIMETHYLAMINOETHYLPHENOL	90-72-2	NONE	NONE	NONE	
DIMETHYLAMINOETHYLPHENOL	25338-55-0	NONE	NONE	NONE	
*BUTANOL NORMAL	71-36-3	50PPM	50PPM	NONE	14
BENZYL ALCOHOL	100-51-6	NONE	NONE	NONE	

### SECTION 2 NOTES:

\* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.  
(ACGIH STEL=150PPM). (BUTANOL: OSHA TWA-SKIN=50PPM, ACGIH TWA SKIN=50PPM). FOLLOW CWA 311 (b) (2) (a) 40 CFR 116, 117; CWA 304 (A) (1) 45 FR 79318; TSCA 8(d) 40 CFR 716 47 FR 387 GUIDELINES

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## SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: LOW VISCOSITY LIQUID WITH SOLVENT ODOR  
BOILING POINT OR RANGE: 200 TO 401 F  
VAPOR DENSITY (AIR = 1): N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.9  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: NEGLIGIBLE

### SECTION 3 NOTES:

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## SECTION 4: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: 11.2%  
(% by volume) LOWER: 1.4%  
FLASH POINT: 74F  
METHOD USED:  
SETA FLASH

# MATERIAL SAFETY DATA SHEET

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## EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

## SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER. PRESENCE OF SOLVENTS MAY REQUIRE GROUNDING.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

IF FIRE OCCURS, SOLVENTS MAY PRODUCE EXCESSIVE PRESSURE. SEALED DRUMS MAY RUPTURE AND IGNITE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND IGNITE BY ANY SOURCE OF IGNITION. NEVER USE A CUTTING OR WELDING TORCH NEAR CONTAINERS (EVEN EMPTY). ALL 5 GALLON AND LARGER CONTAINERS SHOULD BE GROUNDED BEFORE TRANSFERRING MATERIAL.

## SECTION 4 NOTES:

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## SECTION 5: STABILITY AND REACTIVITY

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### STABILITY:

STABLE

### CONDITIONS TO AVOID (STABILITY):

AVOID EXCESSIVE HEAT OR OPEN FLAMES AS WELL AS ALL SOURCES OF IGNITION SUCH AS SPARKS, HEATERS, AND STATIC DISCHARGES ETC.

### INCOMPATIBILITY (MATERIAL TO AVOID):

AVOID EPOXY CURING AGENTS IN UNCONTROLLED AMOUNTS AND STRONG OXIDIZING AGENTS AS WELL AS STRONG ACIDS.

### HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

MAY FORM TOXIC CHEMICALS, CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS ETC..

### HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

## SECTION 5 NOTES:

---

## SECTION 6: HAZARDS IDENTIFICATION

---

### HMIS HAZARD CLASSIFICATION

HEALTH: 2      FLAMMABILITY: 3      REACTIVITY: 0      PERSONAL PROTECTIVE EQUIPMENT: G

### POTENTIAL HEALTH EFFECTS

#### EYES:

CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, OR BLURRED VISION.

#### SKIN:

MAY CAUSE IRRITATION, DEFATTING AND DERMATITIS.

#### INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA AND ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

#### INHALATION:

CAN CAUSE NAUSEA AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, HEADACHE AND POSSIBLE UNCONSCIOUSNESS

#### HEALTH HAZARDS (ACUTE AND CHRONIC):

AMINE RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR. OVER EXPOSURE TO THIS MATERIAL CAN CAUSE CARDIAC ABNORMALITIES, ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE OR EVEN EYE DAMAGE

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

#### CARCINOGENICITY

OSHA: NO      NTP: NO      IARC: NO

#### ADDITIONAL CARCINOGENICITY INFORMATION:

NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS

---

## SECTION 7: FIRST AID MEASURES

---

### EYES:

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

### SKIN:

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SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION:

DO NOT INDUCE VOMITING, KEEP PERSON WARM AND CONSULT A PHYSICIAN IMMEDIATELY.

INHALATION:

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 7 NOTES:

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## SECTION 8: RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. REMOVE ALL SOURCES OF IGNITIONS. REMOVE EXCESS WITH SPARK PROOF EQUIPMENT AND TAKE UP THE REMAINDER WITH AN ABSORBENT MATERIAL SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 8 NOTES:

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## SECTION 9: WASTE DISPOSAL

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WASTE DISPOSAL METHOD:

DISPOSE OF MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.

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## SECTION 10: HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS.

KEEP MATERIAL AWAY FROM ALL SOURCES OF IGNITION.

OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF.

WEAR APPROPRIATE SAFETY EQUIPMENT AND RESPIRATOR AT ALL TIMES WHEN VENTILATION IS NOT SUFFICIENT TO CONTROL VAPORS.

SECTION 10 NOTES:

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## SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

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RESPIRATORY PROTECTION:

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VENTILATION:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TOXIC LEVEL VALUES.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 11 NOTES:

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## SECTION 12: DISCLAIMER

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