

## MATERIAL SAFETY DATA SHEET

### 24 HOUR EMERGENCY ASSISTANCE

1-800-660-6729

<b>HEALTH:</b>	<b>2</b>		<u>HAZARD RATING</u>
<b>FIRE:</b>	<b>1</b>	LEAST = 0	SLIGHT = 1    MODERATE = 2
<b>REACTIVITY:</b>	<b>0</b>	HIGH = 3	EXTREME = 4

### SECTION I

**PRODUCT:** **Micro Topping Epoxy Sealer Part A**  
**CHEMICAL NAME:** MIXTURE EPOXY  
**CHEMICAL FAMILY:** EPOXY RESIN  
**PRODUCT DESCRIPTION:**

### SECTION II-A PRODUCT / INGREDIENT

<u>No.</u>	<u>COMPOSITION</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
1	REACTION PRODUCTS OF EPICHLOROHYDRIN AND BISPHENOL A	25085-99-8	60-70%
2	ISOPROPANOL	67-63-0	1-10%
3	GLYCIDYL NEODECONATE	26761-45-5	20-30%

### SECTION II-B ACUTE TOXICITY DATA

<u>No.</u>	<u>ACUTE ORAL LD50</u>	<u>ACUTE DERMAL LD50</u>	<u>ACUTE INHALATION LC50</u>
1	>5.0 G/KG	20.0 G/KG (RABBIT)	NO DEATHS IN SAT'D AIR, 8 HR
2	4.7 G/KG (RAT)	12.7 G/KG (RABBIT)	19.0 G/KG (RAT)
3	9.6 G/KG (RAT)	38.0 G/KG (RAT)	NOT AVAILABLE

### SECTION III HEALTH INFORMATION

THE HEATH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200).

**EYE CONTACT:** IRRITATING AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY.

**SKIN CONTACT:** MAY CAUSE SEVERE IRRITATION. HAS BEEN KNOWN TO CAUSE ALLERGIC SKIN REACTION IN HUMANS. PROLONGED CONTACT MAY CAUSE BLISTERS.

**INHALATION:** HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC, AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.

**INGESTION:** MAY BE MODERATELY TOXIC IF SWALLOWED.

**SIGNS AND SYMPTOMS:** IRRITATION AS NOTED ABOVE. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

**AGGRAVATED MEDICAL CONDITIONS:** PRE-EXISTING SKIN AND EYE DISORDER MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PRE-EXISTING SKIN AND LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT.

**OTHER HEALTH EFFECTS:** BASED ON ANIMAL STUDIES, REPEATED EXPOSURE TO COMPONENTS OF THIS PRODUCT MAY CAUSE DAMAGE TO LIVER, KIDNEY, AND RESPIRATORY SYSTEMS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL.

SECTION IV		OCCUPATIONAL EXPOSURE LIMITS			
No.	OSHA		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
1	NONE ESTABLISHED				
2	400 PPM		400 PPM	500 PPM	
3	NONE ESTABLISHED				

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** REMOVE CONTACT LENSES AT ONCE. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE FOR AT LEAST 30 MINUTES. HOLD EYELIDS APART WHILE FLUSHING TO RINSE ENTIRE SURFACE OF EYE AND LIDS WITH WATER. **PROMPT MEDICAL ATTENTION IS ESSENTIAL.**

**SKIN CONTACT:** IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A HYSICIAN IF IRRITATION PRESISTS. WASH CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE RECONTAMINATED AND SHOULD BE DESTROYED TO PREVENT REUSE.

**INHALATION:** REMOVE VICTIM TO FRESH AIR IF EFFECTS OCCUR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. **GET IMMEDIATE MEDICAL ATTENTION.**

**INGESTION:** **DO NOT INDUCE VOMITING.** IF PATIENT IS CONSCIOUS AND CAN SWALLOW, GIVE TWO GLASSES OF WATER (16OZ.) . **GET IMMEDIATE MEDICAL ATTENTION.** NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVLUSING PERSON.

**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**

**CONTACT A POISON CONTROL CENTER FOR ADDITIONAL TREATMENT INFORMATION.** HEALTH STUDIES HAVE SHOWN THAT MANY PETROLIUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSRE TO LIQUIDS, VAPORS, MISTS, OR FUMES SHOULD BE MINIMIZED. INGESTION OF LARGE QUANTITIES (1% OF DIET) OF COMPONENT 8 PRODUCED BODY WEIGHT CHANGES IN EXPERIMENTAL ANIMALS AND IN THE LIVER AND KIDNEY. LEVELS OF 0.5% AND 1.0% WT IN THE DIET ALSO CAUSED BLOOD CHANGES AND REDUCED ERYTHROCYTE COUNT AND HEMATOCRIT.

**SECTION VII PHYSICAL DATA**

PRODUCT NAME: **Micro Topping Epoxy Sealer Part A**

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BOILING POINT (°F):	(ALCOHOL) 180	SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	1.07
VAPOR PRESSURE (mm Hg @ 20°C):		NOT ESTABLISHED	
SOLUBILITY (IN WATER):		PARTIALLY SOLUBLE	
VAPOR DENSITY (AIR = 1):		>1	
EVAPORATION RATE (N-BUTYL ACETATE = 1):		(ALCOHOL) 2.3	
APPEARANCE AND ODOR:		PIGMENTED, OPAQUE, VISCOUS LIQUID WITH MILD ODOR.	

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**SECTION VIII** **FIRE AND EXPLOSION HAZARDS**

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FLASH POINT AND METHOD: 201° F TCC

FLAMMABLE LIMITS /% VOLUME IN AIR: LEL = 2.0 UEL = 12.7 @ 77 DEGREE'S F

EXTINGUISHING MEDIA: USE ALCOHOL THPE FOAM, DRY CHEMICAL, OR CO<sub>2</sub>.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. CONTAIN THE RUNOFF STREAM. TRY TO COVER LIQUID SPILLS WITH FOAM. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMENT WITH FACE SHIELD, BUNKER COATS, GLOVES, AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE OSHA APPROVED SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

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**SECTION IX** **REACTIVITY**

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STABILITY: EXCESS HEATING OVER LONG PERIODS OF TIME DEGRADES THE RESIN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR BY ITSELF, BUT MASSES OF MORE THAN 1 POUND OF PRODUCT PLUS AN ALIPHATIC AMINE WILL CAUSE IRREVERSIBLE POLYMERIZATION WITH CONSIDERABLE HEAT BUILDUP.

CONDITIONS AND MATERIALS TO AVOID: AVOID EXPOSURE TO HEAT, LIGHT, FLAME, OR OTHER SOURCES OF IGNITION. CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASE/ESPECIALLY PRIMARY AND SECONDARY AMINES. REACTION WITH SOME CURING AGENT MAY PRODUCE CONSIDERABLE HEAT.

HAZARDOUS DECOMPOSITION PRODUCTS: HAZARDOUS COMBUSTION PRODUCTS MAY INCLUDE INTENSE HEAT, DENSE BLACK SMOKE, CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, ACIDS, PHENOLICS, WATER, AND HYDROCARBON FRAGMENTS.

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**SECTION X** **EMPLOYEE PROTECTION**

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RESPIRATORY PROTECTION: PROVIDE ADEQUATE VENTILATION. AVOID BREATHING OF VAPORS OR MISTS. AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE. WHEN EXPOSURES ARE NOT ADEQUATELY CONTROLLED, USE AN APPROVED RESPIRATOR. SELECTION OF AIR-PURIFYING OR POSITIVE-PRESSURE SUPPLIED AIR WILL DEPEND ON THE SPECIFIC OPERATION AND THE POTENTIAL AIRBORNE CONCENTRATION OF MATERIAL. FOR EMERGENCY CONDITIONS, USE AN APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

PROTECTIVE CLOTHING: PROTECTIVE CLOTHING SUCH AS UNIFORMS, COVERALLS, OR LAB COATS MUST BE WORN. LAUNDRY OR DRY-CLEAN WHEN SOILED. GLOVES AND GOGGLES RESISTANT TO CHEMICALS AND PETROLEUM DISTILLATES REQUIRED. WHEN HANDLING LARGE QUANTITIES, IMPERVIOUS SUITS, GLOVES, AND RUBBER BOOTS MUST BE WORN.

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**SECTION XI ENVIRONMENTAL PROTECTION**

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SPILL OR LEAK PROCEDURES: VENTILATE THE AREA. AVOID BREATHING VAPOR. USE SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR FOR LARGE SPILLS OR CONFINED AREAS. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND PICK UP WITH SHOVELS. DO NOT USE SAWDUST, WOOD CHIPS, OR OTHER CELLULOSIC MATERIALS TO ASORB THE SPILL. PREVENT ENTRY INTO SEWERS AND WATERWAYS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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**SECTION XII SPECIAL PRECAUTIONS**

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GROUND ALL TRANSFER EQUIPMENT. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. HANDLE AS AN INDUSTRIAL CHEMICAL. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID SKIN AND EYE CONTACT. HOLD BULK STORAGE UNDER NITROGEN BLANKET. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

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**SECTION XIII TRANSPORTATION REQUIREMENTS**

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DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

HAZARD CLASS:	3 -- COMBUSTIBLE LIQUID
PACKING GROUP:	III
IDENTIFICATION NUMBER:	NA 1993
LABEL REQUIRED:	NONE
D.O.T. PROPER SHIPPING NAME:	COMBUSTIBLE LIQUID, N.O.S., (ISOPROPNOL), 3, PG III, NA 1993

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**SECTION XIV OTHER REGULATORY CONTROLS**

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NOT MEANT TO BE ALL-INCLUSIVE. SELECTED REGULATIONS PRESENTED.

A.	SARA TITLE III SECTION 311/312 HAZARDS:	IMMEDIATE HEALTH, DELAYED HEALTH, FIRE
B.	SARA TITLE III SECTION 313:	
C.	WHMIS CLASSIFICATION:	CLASSES D2, D2B
D.	TSCA STATUS:	LISTED ON TSCA INVENTORY
E.	OSHA HAZARD COMM. STD.:	HAZARDOUS CHEMICAL

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**SECTION XV STATE REGULATORY INFORMATION**

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NONE KNOWN.

CA = CALIFORNIA HAZ. SUBST. LIST; CA65 = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT LIST; CT = CONNECTICUT TOX. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

PRODUCT NAME: **Micro Topping Epoxy Sealer Part A**

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**SECTION XVI****SPECIAL NOTES**

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NEW MSDS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, MULTICOAT PRODUCTS, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MULTICOAT PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

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DATE PREPARED: OCTOBER 5, 2011

MANUFACTURED FOR: MULTICOAT PRODUCTS, INC.  
2922 WINFIELD ROAD  
WINFIELD, WV 25213

## MATERIAL SAFETY DATA SHEET

### 24 HOUR EMERGENCY ASSISTANCE

1-800-660-6729

<b>HEALTH:</b>	<b>2</b>		<u>HAZARD RATING</u>
<b>FIRE:</b>	<b>0</b>	LEAST = 0	SLIGHT = 1    MODERATE = 2
<b>REACTIVITY:</b>	<b>0</b>	HIGH = 3	EXTREME = 4

### SECTION I

**PRODUCT:** Micro Topping Epoxy Sealer PART B  
**CHEMICAL NAME:** MIXTURE  
**CHEMICAL FAMILY:** MODIFIED ALIPHATIC AMINE AQUEOUS SOLUTION  
**PRODUCT DESCRIPTION:** EPOXY CURING AGENT

### SECTION II-A PRODUCT / INGREDIENT

<u>No.</u>	<u>COMPOSITION</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
1	POLYETHYLENE POLYAMINE ADDUCT	*	40-50%
2	2-PROPOXYETHANOL	2807-30-9	1-10%
3	ACETIC ACID	64-19-7	<5%
4	WATER	7732-18-5	50-60%

### SECTION II-B ACUTE TOXICITY DATA

<u>No.</u>	<u>ACUTE ORAL LD50</u>	<u>ACUTE DERMAL LD50</u>	<u>ACUTE INHALATION LC50</u>
1	NO DATA AVAILABLE		
2	301 G/KG (RAT)	870 MG/KG (RABBIT)	>2000 PPM/6H (RAT)
3	3.31 G/KG (RAT)	1.06 G/KG (RABBIT)	5620/1H (RAT)

### SECTION III HEALTH INFORMATION

THE HEATH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200).

**EYE CONTACT:** PRODUCT MAY BE SEVERLY IRRITATING TO THE EYES. MAY CAUSE CORNEAL DAMAGE.

**SKIN CONTACT:** PRODUCT MAY BE MODERATELY IRRITATING TO THE SKIN. PRODUCT MAY BE TOXIC AND MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. MAY PRODUCE DAMAGE TO RED BLOOD CELLS. MAY CAUSE SKIN SENSITIZATION.

**INHALATION:** PRODUCT MAY CAUSE IRRITATION TO THE NOSE, THROAT AND RESPIRATORY TRACT. PRODUCT MAY BE TOXIC IF INHALED; MAY PRODUCE DAMAGE TO RED BLOOD CELLS. MAY CAUSE RESPIRATORY TRACT SENSITIZATION.

**INGESTION:** PRODUCT MAY BE MODERATELY TOXIC AND MAY BE HARMFUL IF SWALLOWED; MAY PRODUCE DAMAGE TO RED BLOOD CELLS.

**SIGNS AND SYMPTOMS:** IRRITATION AS NOTED ABOVE. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPICALLY HIVES. RESPIRATORY TRACT SENSITIZATION (E.G., ALLERGY, ASTHMA) MAY BE EVIDENCED BY WHEEZING WITH SHORTNESS OF BREATH AND COUGH. DAMAGE TO BLOOD FORMING ORGANS MAY BY EVIDENCED BY EASY FATIGABILITY AND PALLOR (RBC EFFECT). DAMAGE TO BLOOD FORMING ORGANS MAY BE EVIDENCED BY

DECREASED RESISTANCE TO INFECTION (WBC EFFECT). DAMAGE TO BLOOD FORMING ORGANS MAY BE EVIDENCED BY EXCESSIVE BRUISING AND BLEEDING (PLATELET EFFECT).

**AGGRAVATED MEDICAL CONDITIONS:** PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PREEXISTING SKIN AND RESPIRATORY TRACT ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT.

**OTHER HEALTH EFFECTS:** SEE SECTION VI FOR SUPPLEMENTAL HEALTH INFORMATION.

SECTION IV		OCCUPATIONAL EXPOSURE LIMITS			
No.	OSHA		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
1	NONE ESTABLISHED				
2					25 PPM
3	10 PPM		10 PPM	15 PPM	

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

**SKIN CONTACT:** IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED TO PREVENT REUSE.

**INHALATION:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

**INGESTION:** DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.\*

**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**

**CONTACT A POISON CONTROL CENTER FOR ADDITIONAL TREATMENT INFORMATION.**

**COMPONENT 1:** IT HAS GENERALLY BEEN OBSERVED THAT ALIPHATIC AMINES CAN CAUSE CHANGES IN THE LUNGS, LIVER, KIDNEYS, AND HEART.

**COMPONENT 2:** IN MALE AND FEMALE RATS EXPOSED TO GREATER OR EQUAL TO 400 PPM VAPOR CONCENTRATION OF 2-PROPOXYETHANOL (2PE), TOXIC EFFECTS ON THE RED BLOOD CELLS (BBCS) WITH SECONDARY EFFECTS ON THE SPLEEN AND TRANSIENT HEMOGLAOBINURIA WERE OBSERVED. THE NOEL IN THIS STUDY WAS 200 PPM.

IN PREGNANT RATS EXPOSED TO 100 PPM TO 400 PPM VAPOR CONCENTRATION OF 2-PE, NO TERATOGENIC OR SIGNIFICANT

EMBRYO/FETOTOXICITY WAS OBSERVED AT ALL DOSE LEVELS DUE TO TOXIC EFFECTS ON THE RBCS.

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**SECTION VII** **PHYSICAL DATA**

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BOILING POINT (°F): 212-301 SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.08  
VAPOR PRESSURE (mm Hg @ 20°C): <20  
SOLUBILITY (IN WATER): MISCIBLE  
VAPOR DENSITY (AIR = 1): >1  
EVAPORATION RATE (N-BUTYL ACETATE = 1): <1  
APPEARANCE AND ODOR: OPAQUE COLORED VISCOUS LIQUID WITH AMMONIA AND SOLVENT ODOR.

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**SECTION VIII** **FIRE AND EXPLOSION HAZARDS**

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FLASH POINT AND METHOD: 200 DEG F. (SETAFLASH)  
FLAMMABLE LIMITS /% VOLUME IN AIR: LOWER <4 UPPER: NA  
EXTINGUISHING MEDIA: USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL UNKER GEAR (HELMENT WITH FACE SHIELD, BUNKER COATS, GLOVES AND UBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-ONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONATIONERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTAINERS EXPOSED TO HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE 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 STRUCTRE.

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**SECTION IX** **REACTIVITY**

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STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS AND MATERIALS TO AVOID: AVOID HEAT AND FLAMES. CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES/ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES. REACTION WITH SOME CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT.  
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, ALDEHYDES, ACIDS AND OTHER ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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**SECTION X** **EMPLOYEE PROTECTION**

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RESPIRATORY PROTECTION: AVOID PROLONGED OR REPEATED BREATHING OF VAPORS OR MISTS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPLYING RESPIRATOR OR AN AIR-PURRRIFYING RESPIRATOR FOR ORGANIC VAPORS.



PROTECTIVE CLOTHING: AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

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**SECTION XI ENVIRONMENTAL PROTECTION**

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SPILL OR LEAK PROCEDURES: MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGEMENT WHEN CLEANING UP LARGE SPILLS. \*\*\*LARGE SPILLS \*\*\* WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. \*\*\*SMALL SPILLS\*\*\* TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

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**SECTION XII SPECIAL PRECAUTIONS**

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GROUND ALL TRANSFER EQUIPMENT. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. HANDLE AS AN INDUSTRIAL CHEMICAL. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID SKIN AND EYE CONTACT. HOLD BULK STORAGE UNDER NITROGEN BLANKET. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

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**SECTION XIII TRANSPORTATION REQUIREMENTS**

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DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT REGULATED

THE DOT INFORMATION IN THIS SECTION IS BASED UPON AN EVALUATION OF THE PRODUCT AGAINST THE REQUIREMENTS OF 49 CFR 172 & 173 AS REVISED BY HM-181.

HAZARD CLASS:  
PACKING GROUP:  
IDENTIFICATION NUMBER:  
LABEL REQUIRED:

D.O.T. PROPER SHIPPING NAME:

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**SECTION XIV OTHER REGULATORY CONTROLS**

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NOT MEANT TO BE ALL-INCLUSIVE. SELECTED REGULATIONS PRESENTED.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

- A. SARA TITLE III SECTION 311/312 HAZARDS:
- B. SARA TITLE III SECTION 313:
- C. WHMIS CLASSIFICATION:
- D. TSCA STATUS:
- E. OSHA HAZARD COMM. STD.:

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**SECTION XV STATE REGULATORY INFORMATION**

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THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

STATE LISTED COMPONENT	PERCENT	STATE CODE
ACETIC ACID (CAS NO: 64-19-7)	<5%	CA, CT, FL, IL, MA, ME, MN, NJ, PA, RI

CA = CALIFORNIA HAZ. SUBST. LIST; CA65 = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT LIST; CT = CONNECTICUT TOX. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

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**SECTION XVI SPECIAL NOTES**

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NEW MSDS.

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DATE PREPARED: OCTOBER 5, 2011

PREPARED BY: MULTICOAT PRODUCTS, INC.  
2922 WINFIELD ROAD  
WINFIELD, WV 25213