

(11146)

MATERIAL SAFETY DATA SHEET

EE-LV EPOXY HARDNER COMP B

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PRODUCT NAME: EE-LV EPOXY HARDNER COMP B
PRODUCT CLASS: CATALYST
PRODUCT CODE: C86-0162

HMIS CODES: H F R P

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: STRATHMORE PRODUCTS, INC.
ADDRESS 1970 WEST FAYETTE STREET
P.O. BOX 151
SYRACUSE, NY 13201
EMERGENCY PHONE DAY: 315-488-5401
NIGHT: FOR HEALTH - POISON CONTROL CENTER: 315/476-4766
FOR SPILLS - CHEMTEL: 1-800/255-3924
DATE OF PREPARATION: 4/5/2013
TIME OF PREPARATION: 09:54:43
REVISION DATE: 11/08/11

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	RANGE PERCENT
+ CALCIUM CARBONATE ACGIH TLV: 10.0 MG/M3 OSHA PEL: 15.0 MG/M3	1317-65-3		
+ TALC ACGIH TLV: 2.0 MG/M3 OSHA PEL: 6.0 MG/M3	14807-96-6		
PARACHLOROBENZOTRIFLUORIDES ACGIH TLV & OSHA PEL: NOT ESTABLISHED OXYCHEM TLV: 20.0 PPM	98-56-6	5.3	10-20%
- ACGIH TLV & OSHA PEL: NOT ESTABLISHED			
* XYLENE ACGIH TLV: 100.0 PPM OSHA PEL: 100.0 PPM	1330-20-7	9.5	5-10%
AROMATIC #100 ACGIH TLV & OSHA PEL: NOT ESTABLISHED EXXON RECOMMENDATION: 50 PPM	64742-95-6	1.0	1-5%
TRIS 2,4,6 (DIMETHYL AMINOMETHYL) PHENOL ACGIH TLV: NOT EST OSHA PEL: NOT EST MFG TLV: 5 PPM	90-72-2		0-2%
* ETHYLBENZENE ACGIH TLV: 100 PPM OSHA PEL: 100 PPM	100-41-4	7.1 68	0-2%
* 1,2,4 TRIMETHYLBENZENE ACGIH TLV: 25 PPM OSHA PEL: NOT ESTABLISHED	95-63-6	10 130	0-2%

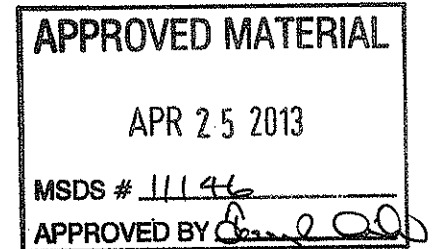
SARA 313 INFORMATION:

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

+ Indicates component(s) considered nuisance dust(s) in their dry form.

FOOTNOTE:

*N/A



SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE OF SEC. II: 277°F - 337°F WEIGHT per GALLON: 11.94 lb/gal

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VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER % SOLIDS BY VOLUME: 63.3
V.O.C.: 1.81 lb/g1

=====SECTION IV - FIRE AND EXPLOSION HAZARD DATA=====

DOT CATEGORY:

RED LABEL, FLAMMABLE, LESS THAN 100°F.

FLASH POINT : 79°F METHOD USED: SETA FLASH
FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 0.9

EXTINGUISHING MEDIA:

FOAM, DRY CHEMICAL OR CARBON DIOXIDE EXTINGUISHERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY RUPTURE OR EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY TO HOT SURFACES. AVOID BREATHING GASES, VAPORS, FUMES OR DECOMPOSITION PRODUCTS DURING A FIRE. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIREFIGHTING PROCEDURES:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. AVOID BREATHING GASES, VAPORS, FUMES OR DECOMPOSITION PRODUCTS DURING A FIRE. PERSONNEL INVOLVED IN A FIRE SHOULD WEAR FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED RESPIRATORY EQUIPMENT. WATER SPRAY MAY BE USED TO COOL UNRUPTURED CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE.

=====SECTION V - HEALTH HAZARD DATA=====

THRESHOLD LIMIT VALUE: SEE SECTION II

INHALATION HEALTH RISKS AND SYMPTOMS OF ACUTE EXPOSURE:

INHALATION OF VAPORS OR SPRAY MISTS CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. OVEREXPOSURE TO VAPORS OR SPRAY MISTS CAN CAUSE EYE AND SKIN IRRITATION.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EYE CONTACT WITH LIQUID MAY CAUSE SEVERE IRRITATION.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BRIEF CONTACT WITH SKIN MAY CAUSE SLIGHT TO MODERATE IRRITATION AND POSSIBLY DRYING OF THE SKIN.

SKIN ABSORPTION: FREQUENT OR PROLONGED SKIN CONTACT WITH LIQUID MAY RESULT IN ABSORPTION OF HARMFUL AMOUNTS.

REPEATED OR PROLONGED CONTACT OF LIQUID WITH THE SKIN MAY CAUSE DERMATITIS OR ALLERGIC SKIN REACTIONS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

MAY BE HARMFUL IF SWALLOWED. SWALLOWING MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIARRHEA, VOMITING AND POSSIBLY NARCOSIS. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE PNEUMONITIS, WHICH CAN BE FATAL.

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CHRONIC HEALTH HAZARDS:

REPEATED OR PROLONGED OCCUPATIONAL EXPOSURE TO VAPORS FROM SOLVENT(S) CONTAINED IN THIS PRODUCT MAY AFFECT THE CENTRAL NERVOUS SYSTEM AND CAUSE RESPIRATORY IRRITATION, RESULTING IN POSSIBLE LUNG DAMAGE, AND MAY CAUSE LIVER AND KIDNEY DAMAGE.

NOTE: A CASE EFFECT SHOWED ACTIVE LIVER & KIDNEY DYSFUNCTION AT EXTREMELY HIGH LEVELS OF EXPOSURE TO XYLENE AND TOLUENE.

NOTE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGENICITY:

THIS PRODUCT CONTAINS ETHYLBENZENE AND/OR NAPHTHALENE, CLASSIFIED BY IARC AS A GROUP 2B CARCINOGEN - POSSIBLY CARCINOGENIC TO HUMANS. THERE IS INADEQUATE EVIDENCE IN HUMANS BUT SUFFICIENT EVIDENCE IN EXPERIMENTAL ANIMALS FOR THE CARCINOGENICITY OF ETHYLBENZENE AND/OR NAPHTHALENE.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE MOUTH-TO-MOUTH RESUSCITATION AND KEEP WARM AND QUIET. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL HELP IMMEDIATELY. SPLASH (EYES): FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES AND TAKE TO A PHYSICIAN FOR DEFINITIVE MEDICAL TREATMENT. SPLASH (SKIN): REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEE A PHYSICIAN.

IF SWALLOWED, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY AND GET MEDICAL HELP. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EXPOSURE MAY AGGRAVATE PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS.

=====**SECTION VI - REACTIVITY DATA**=====

STABILITY:

STABLE

CONDITIONS TO AVOID:

EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS, BASES, AMINE COMPOUNDS, AND AVOID CONTAMINATION WITH COMPONENT I, COMPONENT A OR PART A.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

DECOMPOSITION MAY PRODUCE SMOKE, ACRID FUMES, CARBON DIOXIDE AND/OR CARBON MONOXIDE, AND POSSIBLY OTHER TOXIC VAPORS.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

=====**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**=====

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

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES AND ELECTRICAL, STATIC OR FRICTION SPARKS). AVOID BREATHING VAPORS. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. VENTILATE AREA. ADD INERT ABSORBENT AND REMOVE TO APPROPRIATE CONTAINER FOR DISPOSAL WITH NON-SPARKING TOOLS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATER AND SOIL.

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WASTE DISPOSAL METHOD:

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

=====**SECTION VIII - CONTROL MEASURES**=====

RESPIRATORY PROTECTION:

IF USE CONDITIONS OF THIS PRODUCT GENERATE VAPORS OR MISTS, OR IF THE TLV'S SHOWN IN SECTION II ARE EXCEEDED, A NIOSH APPROVED RESPIRATOR DESIGNED TO REMOVE ORGANIC VAPORS SHOULD BE WORN. IN CONFINED AREAS, USE A NIOSH APPROVED AIRLINE TYPE RESPIRATOR OR HOOD.

VENTILATION:

PROVIDE ADEQUATE VENTILATION TO KEEP TLV OF MOST HAZARDOUS INGREDIENT IN SECTION II BELOW ACCEPTABLE LEVEL, AND TO KEEP LEL IN SECTION IV BELOW STATED LIMIT.

PROTECTIVE GLOVES:

SOLVENT RESISTANT GLOVES ARE REQUIRED FOR PROLONGED OR REPEATED CONTACT WITH LIQUID.

EYE PROTECTION:

IF A SPLASHING HAZARD EXISTS OR IF THERE IS POTENTIAL EYE CONTACT, WEAR SAFETY EYEWEAR SUCH AS CHEMICAL GOGGLES OR FACE SHIELDS TO PREVENT CONTACT OF LIQUID WITH EYES. EYE FLUSHING EQUIPMENT SHOULD BE IMMEDIATELY AVAILABLE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR APPROPRIATE PROTECTIVE OUTERWEAR TO PROTECT AGAINST CLOTHING CONTAMINATION AND PROLONGED SKIN CONTACT. WHEN NECESSARY, WEAR CHEMICAL AND/OR SOLVENT RESISTANT BOOTS TO PROTECT FEET AND SHOES FROM CONTAMINATION. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES THAT CANNOT BE THOROUGHLY CLEANED BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING RESTROOM.

=====**SECTION IX - SPECIAL PRECAUTIONS**=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT STORE ABOVE 120 DEG F. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR OPEN FLAME. KEEP CONTAINERS TIGHTLY COVERED AND UPRIGHT TO PREVENT LEAKAGE. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF FLAMMABLE LIQUIDS.

OTHER PRECAUTIONS:

WARNING - FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. VAPORS MAY CAUSE FLASH FIRE. WHEN POURING/TRANSFERRING THIS MATERIAL TO ANOTHER CONTAINER OR EQUIPMENT, GROUND ALL CONTAINERS AND EQUIPMENT AS STATIC ELECTRICITY MAY IGNITE VAPORS. VAPORS HARMFUL. MAY CAUSE IRRITATION TO EYES, NOSE, THROAT, SKIN AND RESPIRATORY TRACT. PROLONGED OR REPEATED CONTACT OF LIQUID OR BREATHING OF VAPORS OR MISTS MAY CAUSE DELAYED AND SERIOUS INJURY. USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPORS OR SPRAY MIST. AVOID CONTACT WITH EYES AND SKIN. DO NOT TAKE INTERNALLY.

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS MAY BE HARMFUL OR FATAL.

SPECIAL PRECAUTIONS:

IN USE, THIS PRODUCT MUST BE BLENDED WITH COMPONENT I, COMPONENT A OR PART A, AND IT WILL HAVE THE HAZARDS OF BOTH

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COMPONENTS. BEFORE USING, CHECK THE MSDS FOR COMP. I, COMP. A OR PART A AND FOLLOW ALL PRECAUTIONS.

MISCELLANEOUS PRECAUTIONS:

~~WARNING - EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS BEEN CLEANED OR RECONDITIONED.~~

=====SECTION X - DISCLAIMER=====

SARA 313 INFORMATION:

*N/A

FOOTNOTE:

USER'S RESPONSIBILITY: THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, STRATHMORE PRODUCTS, INC., ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY, RELIABILITY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH AND SAFETY HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.