

(11058)

MATERIAL SAFETY DATA SHEET

EE-2020 EPOXY DTM GRAY COMP A

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PRODUCT NAME: EE-2020 EPOXY DTM GRAY COMP A
PRODUCT CLASS: EPOXY COATING
PRODUCT CODE: E21-0068

HMIS CODES: H F R P
2*3 0 X

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: 10/21/2011

TIME OF PREPARATION: 14:49:37

REVISION DATE: 02/05/10

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		RANGE
		mm Hg	@ TEMP	PERCENT
* METHYL ETHYL KETONE ACGIH TLV: 200 PPM OSHA PEL: 200 PPM	78-93-3	75.0	68	10-20%
+ TITANIUM DIOXIDE ACGIH TLV: 10.0 MG/M3 OSHA PEL: 15.0 MG/M3	13463-67-7			
+ CALCIUM CARBONATE ACGIH TLV: 10.0 MG/M3 OSHA PEL: 15.0 MG/M3	1317-65-3			
ETHYLBENZENE ACGIH TLV: 100 PPM OSHA PEL: 100 PPM	100-41-4	7.1	68	0-1%

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: 175°F - 277°F WEIGHT per GALLON: 10.67 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

% SOLIDS BY VOLUME: 71.98

V.O.C.: 1.89 lb/gl

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY:

RED LABEL, FLAMMABLE, LESS THAN 100°F.

FLASH POINT : 31°F

METHOD USED: SETA FLASH

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.0

APPROVED MATERIAL

SEP 05 2012

MSDS # 11058

APPROVED BY *[Signature]*

M A T E R I A L S A F E T Y D A T A S H E E T

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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 BE SEVERELY IRRITATING AND MAY CAUSE CORNEAL DAMAGE IF THE EYE IS NOT FLUSHED OUT IMMEDIATELY WITH WATER.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

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

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.

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: 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

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CARCINOGENIC TO HUMANS. THERE IS INADEQUATE EVIDENCE IN HUMANS BUT SUFFICIENT EVIDENCE IN EXPERIMENTAL ANIMALS FOR THE CARCINOGENICITY OF ETHYLBENZENE AND/OR NAPHTHALENE.

THIS MATERIAL CONTAINS TITANIUM DIOXIDE.

THE FOLLOWING INFORMATION REGARDING HEALTH HAZARDS IS BASED UPON THIRD-PARTY RESEARCH STUDIES. EFFECTS OF ACUTE EXPOSURE:

INHALATION: INHALATION OF DUST OR MIST CAN CAUSE IRRITATION OF THE EYES, NOSE, THROAT, AND LUNGS

EYE CONTACT: LIKE ANY FOREIGN BODY, PARTICLES CAN CAUSE MECHANICAL IRRITATION.

SKIN CONTACT: THIS MATERIAL CAN CAUSE IRRITATION IF NOT PROMPTLY WASHED FROM SKIN.

SKIN ABSORPTION: THIS PRODUCT IS NOT EXPECTED TO BE ABSORBED THROUGH INTACT SKIN.

INGESTION: THIS MATERIAL IS NOT EXPECTED TO PRODUCE ADVERSE EFFECTS.

ACUTE TOXICITY: TITANIUM DIOXIDE

ORAL: LD50 >10,000 MG/KG (RAT)

DERMAL: LD50 >10,000 MG/KG (RABBIT)

INHALATION: LC50 (4HR) >6.8 MG/L (RAT)

IN LIFETIME INHALATION STUDIES OF RATS, AIRBORNE RESPIRABLE-SIZE TITANIUM DIOXIDE PARTICLES HAVE BEEN SHOWN TO CAUSE AN INCREASE IN LUNG TUMORS AT CONCENTRATIONS ASSOCIATED WITH SUBSTANTIAL PARTICLE LUNG BURDENS AND CONSEQUENTIAL PULMONARY OVERLOAD AND INFLAMMATION. THE POTENTIAL FOR THESE ADVERSE HEALTH EFFECTS APPEARS TO BE CLOSELY RELATED TO THE PARTICLE SIZE AND THE AMOUNT OF THE EXPOSED SURFACE AREA THAT COMES INTO CONTACT WITH THE LUNG. HOWEVER, TESTS WITH OTHER LABORATORY ANIMALS, SUCH AS MICE AND HAMSTERS, INDICATE THAT RATS ARE SIGNIFICANTLY MORE SUSCEPTIBLE TO THE PULMONARY OVERLOAD AND INFLAMMATION THAT CAUSES LUNG CANCER. EPIDEMIOLOGY STUDIES DO NOT SUGGEST AN INCREASED RISK OF CANCER IN HUMANS FROM OCCUPATIONAL EXPOSURE TO TITANIUM DIOXIDE.

TITANIUM DIOXIDE HAS BEEN CHARACTERIZED BY IARC AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) THROUGH INHALATION (NOT INGESTION). IT HAS NOT BEEN CHARACTERIZED AS A POTENTIAL CARCINOGEN BY EITHER NTP OR OSHA.

ALUMINUM OXIDE, ALUMINUM HYDROXIDE AND AMORPHOUS SILICA: INHALATION OF DUST PARTICLES COMPOSED OF THESE MATERIALS (OR MIST CONTAINING THESE MATERIALS) MAY CAUSE DRYING OF MUCOUS MEMBRANES AND IRRITATION OF NOSE, THROAT, AND LUNGS WITH NOSEBLEEDS, COUGH, DIFFICULTY BREATHING OR SHORTNESS OF BREATH. BASED SOLELY ON ANIMAL STUDIES, LONG TERM INHALATION EXPOSURE TO HIGH DOSES OF ULTRAFINE PARTICLES (OR MIST CONTAINING THESE PARTICLES) COULD LEAD TO PULMONARY INFLAMMATION AND COULD BE A FACTOR IN THE SUBSEQUENT DEVELOPMENT OF CHRONIC LUNG DISEASE. AMORPHOUS SILICA DOES NOT INDUCE THE LUNG EFFECTS ASSOCIATED WITH CRYSTALLINE SILICA.

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.

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INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG ALKALINE MATERIALS AND BASES.

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.

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 PRODUCT IS APPLIED BY BRUSH, ROLLER COAT, OR DIP IN OUTDOOR OR OPEN AREAS WITH UNRESTRICTED VENTILATION, AND WHERE THE TLV'S DO NOT EXCEED THOSE SHOWN IN SECTION II, RESPIRATORY EQUIPMENT MAY NOT BE NECESSARY. IF EYE WATERING, HEADACHES OR DIZZINESS ARE EXPERIENCED WEAR RESPIRATORY PROTECTION (NIOSH TC23 RESPIRATOR OR EQUIVALENT) OR LEAVE AREA. IF PRODUCT IS APPLIED BY SPRAY APPLICATION, A NIOSH APPROVED MECHANICAL FILTER RESPIRATOR DESIGNED TO REMOVE AIRBORNE PARTICLES OF OVERSPRAY DURING APPLICATION SHOULD BE WORN. IN RESTRICTED VENTILATION AREAS, WHERE THE TLV'S CAN EXCEED THOSE SHOWN IN SECTION II, A NIOSH APPROVED RESPIRATOR WITH CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATE AND VAPORS SHOULD BE WORN. IN CONFINED AREAS, USE A NIOSH APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION:

SOLVENT VAPORS ARE HEAVIER THAN AIR AND TEND TO ACCUMULATE AT LOWER LEVELS ALONG THE FLOOR. VAPORS MAY SPREAD LONG DISTANCES AND MAY CAUSE A FLASH FIRE. PREVENT BUILD-UP OF VAPORS. ELIMINATE ANY SOURCE OF IGNITION DURING USE AND UNTIL VAPORS ARE GONE. PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF MOST HAZARDOUS INGREDIENT IN SECTION II BELOW ACCEPTABLE LIMIT, LEL IN SECTION IV BELOW STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

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. DO NOT SAND, FLAME CUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH APPROVED RESPIRATOR OR SUFFICIENT VENTILATION. DUST FROM OVERSPRAY OR SANDING THE PAINT FILM IS POTENTIALLY IGNITABLE (EXPLOSIVE) WHEN SUSPENDED IN AIR AND SHOULD BE KEPT AWAY FROM HEAT, SPARKS, FLAME, STATIC ELECTRICITY OR ANY OTHER TYPE OF IGNITION SOURCE. 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 II, COMPONENT B OR PART B, AND IT WILL HAVE THE HAZARDS OF BOTH COMPONENTS. BEFORE USING, CHECK THE MSDS FOR COMP. II, COMP. B OR PART B 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.