

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

#ELASTUFF-160 CR PART B LIGHT GRAY

PRODUCT NAME: #ELASTUFF-160 CR PART B LIGHT GRAY
PRODUCT CODE: EL-160-B-CR-LG

HMIS CODES: H F R P
1\*1 0 J

SECTION 1 - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: UNITED COATING MANUFACTURING CO
ADDRESS : 2810 SOUTH 18TH PLACE
PHOENIX, ARIZONA 85034
INITIAL(FIRST CALL)CHEMTREC(800)424-9300
EMERGENCY PHONE : BACK-UP(800)541-4383
INFORMATION PHONE : (480) 754-8900

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SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 4 columns: REPORTABLE COMPONENTS, CAS NUMBER, MM HG @ TEMP, WEIGHT PERCENT. Rows include POLYOL, CASTOR OIL, SILICON DIOXIDE, TETRAHYDROXYPROPYL ETHYLENEDIAMINE, 2-PROPANOL 1-1, DIETHYLTOLUENEDIAMINE, N,N-DIALKYLAMINO DIPHENYLMETHANE, and TITANIUM DIOXIDE.

# INDICATES CARCINOGENIC CHEMICAL.
THE HAZARDS OF BOTH PART A AND PART B WILL BE EXHIBITED WHEN BOTH PARTS ARE COMBINED. THIS
MSDS MAY BE USED FOR OTHER COLORS AND CONTAINER SIZES OF THIS PRODUCT.

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES:

MAY CAUSE SEVERE IRRITATION WITH CORNEAL INJURY WHICH MAY RESULT IN PERMANENT IMPAIRMENT
OF VISION, EVEN BLINDNESS

SKIN:

CAUSES SEVERE IRRITATION WITH PAIN, REDNESS AND
SWELLING, BLISTER FORMATION, AND POSSIBLE TISSUE DESTRUCTION

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**INGESTION:**

CAN RESULT IN IRRITATION & CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE & DIGESTIVE TRACT. SYMPTOMS CAN INCLUDE SORE THROAT, ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA.

**INHALATION:**

MAY CAUSE BURNING OF THE UPPER RESPIRATORY TRACT AND/OR TEMPORARY OR PERMANENT LUNG DAMAGE.

=====SECTION 4 FIRST AID MEASURES=====

**EYES:**

IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS IMPERATIVE. CONSULT A PHYSICIAN OR OPHTHALMOLOGIST IMMEDIATELY.

**SKIN:**

IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE REUSE. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

**INGESTION:**

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT A PHYSICIAN IMMEDIATELY.

**INHALATION:**

REMOVE FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF SYMPTOMS PERSIST CONSULT A PHYSICIAN IMMEDIATELY.

**NOTE TO PHYSICIAN:**

CORROSIVE MATERIAL! \*WEAR GLOVES WHEN ADMINISTERING FIRST AID\*  
SWALLOWING OF THIS CORROSIVE MATERIAL MAY RESULT IN SEVERE ULCERATION, INFLAMMATION, AND POSSIBLE PERFORATION OF THE UPPER ALIMENTARY TRACT, WITH HEMORRHAGE AND FLUID LOSS. ASPIRATION OF THIS MATERIAL DURING INDUCED EMESIS CAN RESULT IN SEVERE LUNG INJURY. IT MAY NOT BE ADVISABLE TO INDUCE VOMITING. POSSIBLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. IF EVACUATION OF THE STOMACH IS NECESSARY, USE METHOD LEAST LIKELY TO CAUSE ASPIRATION, SUCH AS GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION. CONTACT A POISON CONTROL CENTER FOR ADDITIONAL TREATMENT INFORMATION.

=====SECTION 5 FIRE FIGHTING MEASURES=====

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** >275F/135C(TCC).

**LOWER FLAMMABLE LIMITS:** 0

**UPPER FLAMMABLE LIMIT:** 0

**AUTO IGNITION TEMPERATURE:** NOT AVAILABLE

**EXTINGUISHING MEDIA:**

FOAM, CO2, DRY CHEMICAL, WATER FOG

**SPECIAL FIRE FIGHTING PROCEDURES:**

DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND MSHA/NIOSH APPROVED OR EQUIVALENT) TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCY.

=====SECTION 6 ACCIDENTAL RELEASE MEASURES=====

**SMALL SPILL:**

ABSORB LIQUID WITH VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO DRUM.

**LARGE SPILL:**

WEAR SKIN, EYE & RESPIRATORY PROTECTION DURING CLEAN-UP. EVACUATE AREA OF ALL NON-ESSENTIAL PERSONNEL. VENTILATE SPILL AREA. DIKE, AND CONTAIN AND/OR ABSORB WITH INERT MATERIAL (SAND, EARTH OR OTHER SUITABLE MATERIAL) TO PREVENT ENTRY INTO STORMDRAINS, SEWERS AND OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. SCOOP UP AND PLACE IN APPROVED CONTAINERS FOR PROPER DISPOSAL. COVER WITH LID. IF SPILL OCCURS NEAR AIR INLETS OR INSIDE, TURN OFF HEATING OR AIR-CONDITIONING EQUIPMENT TO PREVENT CONTAMINATING BUILDING.

=====SECTION 7 HANDLING AND STORAGE=====

**HANDLING & STORAGE:**

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KEEP FROM FREEZING. KEEP CONTAINER COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. KEEP PRODUCT CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS

**OTHER PRECAUTIONS:**

CLOSED CONTAINERS MAY EXPLODE DUE TO PRESSURE BUILD-UP IF EXPOSED TO EXTREME HEAT. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS, ESPECIALLY DRUMS, SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF. USE ONLY IN A WELL VENTILATED AREA. KEEP OUT OF THE REACH OF CHILDREN.

=====SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION=====

**ENGINEERING CONTROLS/PERSONAL PROTECTION:**

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S) DURING MIXING OPERATIONS.

(NOTE: \*\*\*PART A CONTAINS ISOCYANATE\*\*\*. EXTREME CAUTION MUST BE USED AS THE HAZARDS OF BOTH PART A AND PART B WILL BE EXHIBITED WHEN THE A AND B COMPONENTS ARE COMBINED).

**RESPIRATORY PROTECTION:**

USE NIOSH APPROVED RESPIRATORY PROTECTION WHERE AIRBORNE LEVEL IS UNKNOWN OR EXCEEDS THE OCCUPATIONAL EXPOSURE LIMIT.

(NOTE: \*\*\*PART A CONTAINS ISOCYANATE\*\*\*. EXTREME CAUTION MUST BE USED AS THE HAZARDS OF BOTH PART A AND PART B WILL BE EXHIBITED WHEN THE A AND B COMPONENTS ARE COMBINED).

**SKIN PROTECTION:**

\*MATERIAL IS CORROSIVE. GLOVES SHOULD EXTEND ABOVE LONG SLEEVED SHIRT. CHEMICAL RESISTANT GLOVES DETERMINED TO BE IMPERVIOUS UNDER THE CONDITIONS OF USE

**EYE PROTECTION:**

CHEMICAL GOGGLES. IF SPLASHING MAY OCCUR OR DURING SPRAY OPERATIONS WEAR A FACE SHIELD, UNLESS A FULL FACE PIECE RESPIRATOR IS USED. DO NOT WEAR CONTACT LENSES AS THEY MAY CONTRIBUTE TO THE SEVERITY OF INJURY TO THE EYE FROM CONTACT WITH LIQUID AND SPRAY MIST.

===== SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES=====

<b>BOILING RANGE:</b> 586F/308C - 2500-3000C	<b>SPECIFIC GRAVITY (H2O=1):</b> 1.128
<b>VAPOR DENSITY:</b> HEAVIER THAN AIR	<b>EVAPORATION RATE:</b> SLOWER THAN ETHER
<b>COATING V.O.C.:</b> 0.11 lb/gl	<b>COATING V.O.C.:</b> 13 g/l
<b>MATERIAL V.O.C.:</b> 0.11 lb/gl	<b>MATERIAL V.O.C.:</b> 13 g/l
<b>SOLUBILITY IN WATER:</b> NOT ESTABLISHED.	<b>APPEARANCE:</b> GRAY LIQUID
<b>ODOR:</b> AROMATIC ODOR.	

===== SECTION 10 STABILITY & REACTIVITY DATA=====

**STABILITY:**

STABLE

**CONDITIONS TO AVOID**

EXTREMELY HOT OR COLD TEMPERATURES

**INCOMPATIBILITY (MATERIALS TO AVOID)**

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. CONTACT WITH THE FOLLOWING MATERIALS MAY CAUSE A REACTION GENERATING HEAT OR DECOMPOSITION: WATER.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

CARBON MONOXIDE, CARBON DIOXIDE, ANILINE, OXIDES OF NITROGEN AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS IN SMOKE.

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR

===== SECTION 11 TOXICOLOGICAL INFORMATION=====

**EYE:**

TOXICOLOGY: CASTOR OIL (CAS# 8001-79-4);  
EYE IRRITATION, RABBIT: 500 MG-MILD.

**SKIN:**

SKIN IRRITANCY FOR CASTOR OIL; RABBIT; MILD, SKIN IRRITANCY, HUMAN; 48 HR PATCH TEST - NOT

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IRRITATING.

**INGESTION:**

CASTOR OIL CAS#8001-79-4: THE ORAL LD50 FOR RATS IS >5,000MG/KG.  
 ANIMAL STUDIES INDICATE THAT INGESTION OF LARGE AMOUNTS OF DIETHYLTOLUENEDIAMINE  
 CAS#68479-98-1 MAY RESULT IN WEAKNESS, MUSCULAR FAILURE, TREMORS AND UNCONSCIOUSNESS.

**INHALATION:**

NO DATA

**SUBCHRONIC:**

SEVERE EYE,SKIN,AND RESPIRATORY IRRITATION.

**CHRONIC/CARCINOGENICITY:**

CONTAINS CRYSTALLINE SILICA. OVEREXPOSURE TO RESPIRABLE CRYSTALLINE SILICA DUST CAN CAUSE SILICOSIS, A FORM OF PROGRESSIVE PULMONARY FIBROSIS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS EVALUATED IN VOLUME 68, MONOGRAPHS ON THE EVALUATION OF THE CARCINOGENICITY RISK OF CHEMICALS TO HUMANS, CRYSTALLINE SILICA IN THE FORM OF QUARTZ AND AMORPHOUS SILICA (1997), THAT THERE IS "SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF INHALED CRYSTALLINE SILICA IN THE FORM OF QUARTZ OR CRISTOBALITE FROM OCCUPATIONAL EXPOSURES HAS BEEN CLASSIFIED AS A GROUP 1 CARCINOGEN BY THE IARC.

**TERATOLOGY:**

NO DATA

**REPRODUCTION:**

NO DATA.

**MUTAGENICITY:**

NO DATA.

=====SECTION 12 ECOLOGICAL INFORMATION=====

**ECOTOXICOLOGICAL INFORMATION:**

NO DATA AVAILABLECHEMICAL FATE INFORMATION:  
 NO DATA.

=====SECTION 13 DISPOSAL CONSIDERATIONS:=====

**INSTRUCTIONS:**

DISPOSE OF UNUSED PRODUCT OR CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. INCINERATION IS ACCEPTABLE AND THE REFERRED METHOD OF DISPOSAL, HOWEVER; NITROGEN OXIDE EMISSIONS CONTROLS MAY BE REQUIRED TO MEET SPECIFICATIONS. CHEMICAL AND BIOLOGICAL DEGRADATION IS POSSIBLE. EMPTY CONTAINERS WILL RETAIN PRODUCT RESIDUE AND VAPORS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

=====SECTION 14 TRANSPORT INFORMATION=====

**SHIPPING INFORMATION:**

DOT INFORMATION: 49 CFR 172.101  
 DOT DESCRIPTION: NON HAZARDOUS

=====SECTION 15 REGULATORY INFORMATION=====

(NOT MEANT TO BE ALL INCLUSIVE-SELECTED REGULATIONS REPRESENTED)

**US REGULATIONS:**

STATUS OF SUBSTANCES LISTS:  
 THE CONCENTRATIONS SHOWN IN SECTION II ARE MAXIMUM CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATIONS FOR REGULATIONS.  
 A REPORTABLE QUANTITY IS A QUANTITY OF A HAZARDOUS SUBSTANCE THAT TRIGGERS REPORTING REQUIREMENTS UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT(CERCLA).IF A SPILL OF A SUBSTANCE EXCEEDS IT'S REPORTABLE QUANTITY(RQ) IN CFR 302.3 TABLE 40 302.4 APPENDIX A & 302.4 APPENDIX B, THE RELEASE MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AT (800) 424-8802, THE STATE EMERGENCY RESPONSE COMMISSION (SERC), AND COMMUNITY EMERGENCY COORDINATORS LIKELY TO BE AFFECTED.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:**

NONE KNOWN  
 SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986(SARA) TITLE III REQUIRES EMERGENCY PLANNING BASED ON THE THRESHOLD QUANTITIES (TPQ'S) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40 CFR 355 APPENDIX A&B EXTREMELY HAZARDOUS SUBSTANCES. THE EMERGENCY PLANNING AND RELEASE REQUIREMENTS OF 40 CFR 355 APPLY TO ANY FACILITY AT WHICH THERE IS PRESENT AN AMOUNT OF ANY EXTREMELY HAZARDOUS SUBSTANCE EQUAL TO OR IN EXCESS OF IT'S THRESHOLD PLANNING QUANTITY.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:**

NONE KNOWN  
 EPCRA 40 CFR 372(SECTION 313 REQUIRES EPA AND THE STATES TO ANNUALLY COLLECT DATA ON RELEASES OF CERTAIN TOXIC MATERIALS FROM INDUSTRIAL FACILITIES, AND MAKE

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THE DATA AVAILABLE TO THE PUBLIC IN THE TOXICS RELEASE INVENTORY(TRI), THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED OR OR COMPILED FOR THIS MATERIAL.

**COMPONENTS PRESENT THAT COULD REQUIRE REPORTING UNDER THE STATUTE ARE:  
SEE SECTION II**

THE COMPONENTS OF THIS PRODUCT ARE LISTED OR EXCLUDED FROM LISTING ON THE US TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. THIS MIXTURE HAS NOT BEEN TESTED AS A WHOLE TO DETERMINE WHETHER THE MIXTURE IS A HEALTH HAZARD.THE MIXTURE SHALL BE ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO THE COMPONENTS WHICH COMPRISE ONE PERCENT(BY WEIGHT OR VOLUME) OR GREATER OF THE MIXTURE,EXCEPT THAT THE MIXTURE SHALL BE ASSUMED TO PRESENT A CARCINOGENIC HAZARD IF IT HAS A COMPONENT IN CONCENTRATIONS OF 0.1 PERCENT OR GREATER WHICH IS CONSIDERED TO BE A CARCINOGEN. FOR A LIST OF HAZARDOUS INGREDIENTS:

**SEE SECTION II**

THE REMAINING PERCENTAGE OF UNSPECIFIED INGREDIENTS, IF ANY, ARE NOT CONTAINED IN ABOVE DE MINIMIS CONCENTRATIONS AND/OR ARE BELIEVED TO BE NON-HAZARDOUS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), AND MAY CONSIST OF PIGMENTS, FILLERS, DEFOAMERS, WETTING AGENTS, RESINS, DRYERS, ANTI-BACTERIAL AGENTS, WATER AND/OR SOLVENTS IN VARYING CONCENTRATIONS.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

SUBDIVISION B OF DIVISION 2 OF CLASS D-POISONOUS AND INFECTIOUS MATERIALS.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

All of the components of this product are exempt or listed on the DSL.SEE SECTION II FOR COMPOSITION/INFORMATION ON INGREDIENTS

**EINECS:**

TITANIUM DIOXIDE	CAS#13463-67-7	EINECS#:236-675-5
DIETHYLTOLUENEDIAMINE	CAS#68479-98-1	EINECS#:270-877-4
SILICA	CAS#14808-60-7	EINECS#:231-545-4
Tetrahydroxypropylethylendiamin, Edetol		
CAS#102-60-3	EINECS#:203-041-4	
DIPROPYLENE GLYCOL N-BUTYL ETHER	CAS#29911-28-2	EINECS#:249-951-5

**STATE REGULATIONS:**

**CALIFORNIA:**

CALIFORNIA PROPOSITION 65: THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986. THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA

**A: CAUSE CANCER:**

CRYSTALLINE SILICA(AIRBORNE PARTICLES OF RESPIRABLE SIZE), CAS#14808-60-7

**B: CAUSE REPRODUCTIVE HARM:**

NONE KNOWN

**DELAWARE:**

LISTED ON THE DELAWARE AIR QUALITY MANAGEMENT LIST:  
NONE KNOWN

**FLORIDA:**

SILICA CAS# 14808-60-7 LISTED AS TOXIC

**MICHIGAN:**

NONE KNOWN

**MINNESOTA:**

TITANIUM DIOXIDE CAS#13463-67-7  
LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:  
CODES: A  
HAZARDS: --  
CARNINOGEN? NO

SILICA CAS#14808-60-7  
LISTED IN THE MINNESOTA HAZARDOUS SUBSTANCES LIST:  
CODES: A  
HAZARDS: --  
CARNINOGEN? NO

**MASSACHUSETTS**

TITANIUM DIOXIDE CAS#13463-67-7 SUBSTANCE CODES:4  
SILICA CAS#14808-60-7 SUBSTANCE CODES:1,2,4,\*E\*C\*F5

**PENNSYLVANIA:**

TITANIUM DIOXIDE CAS#13463-67-7 CODE:--



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MN: Codes

A American Conference of Governmental Industrial Hygienists (ACGIH)

I American Industrial Hygiene Association (AIHA)

N National Institute for Occupational Safety and Health (NIOSH)

O Occupational Safety and Health Administration (OSHA)

R International Agency for Research on Cancer (IARC)

S OSHA proposed standards.

T National Toxicology Program (NTP)

Hazard Designations

T: Listed as carcinogen or potential by IARC or NTP

F: Not listed as carcinogen or potential carcinogen

asphyxiant: Asphyxiant

dust: Airborne particulate exposure hazard

fume: Small solid particles formed by the condensation of vapors of solid materials

skin: Potential hazard from absorption through skin contact

PA:CODES IDENTIFY CHEMICALS AS:

--(Basic Hazard)

E (ENVIRONMENTAL HAZARD)

\* ANY COMPOUND OF THIS CHEMICAL IS ALSO AN ENVIRONMENTAL HAZARD

S (SPECIAL HAZARD)

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