

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

ELASTUFF 120B MASTIC 55'S

Page:1  
10/28/2005

**PRODUCT NAME: ELASTUFF 120B MASTIC 55'S**  
**PRODUCT CODE: EL-120-B-M-55**

~~~~ SECTION 1 ~~~~ MANUFACTURER IDENTIFICATION ~~~~

**Manufacturer's Name : UNITED COATINGS MANUFACTURING CO**  
**Address : 19011 EAST CATALDO AVE.**  
**: SPOKANE VALLEY, WASHINGTON 99016-9423**  
**: INITIAL(FIRST CALL)CHEMTREC(800)424-9300**  
**INFORMATION PHONE : (509)926-7143**  
**TOLL FREE : BACKUP(800)541-4383**  
**DATE PRINTED : 10/28/2005**  
**DATE REVISED : October 2005**

~~~~ SECTION 2 ~~~~ HAZARDOUS INGREDIENTS/SARA III INFORMATION ~~~~

| Reportable Components | CAS Number | MM HG @ Temp | Weight % |
|-----------------------|------------|--------------|----------|
| Castor Oil            | 8001-79-4  | N/A N/A      | 56       |

No OEL's established for this chemical.

~  
1,3-Butadiene homopolymer hydroxy-terminated 69102-90-5N/DN/A 25  
1,3-butadiene, homopolymer, Hydroxy terminated CAS#69102-90-5  
No exposure guidelines have been established for this chemical.  
4-Vinylcyclohexene, (<20ppm%) CAS#100-40-3, ACGIH/TWA 0.1ppm, 0.44mg/m3;  
1,3-butadiene (<1ppm%) CAS#106-99-0, ACGIH /TWA 2ppm, 4.4mg/m3.

~  
2-Ethyl-1,3-hexanediol 94-96-2 <1 167F/75C 10  
No exposure limits established for this material.

~  
Titanium dioxide 13463-67-7 N/A N/A 4  
Contains: Titanium dioxide, CAS#13463-67-7,  
ACGIH TLV TWA: 10mg/m3, total dust, OSHA PEL TWA: 15mg/m3, total dust.  
Aluminum hydroxide, CAS#21645-51-2, no exposure limits established.  
Amorphous silica, CAS# 112926-00-8, (7631-86-9) ACGIH TLV TWA: 10mg/m3,  
OSHA PEL TWA: 10mg/m3

~  
Diethyltoluenediamine 68479-98-1 0.97mmHG 259F126C 3  
No exposure limits established for this chemical.

~  
SODIUM POTASSIUM ALUMINOSILICATE 12736-96-8 NA NA 1  
SODIUM POTASSIUM ALUMINOSILICATE, CAS#12736-96-8, 95-100%, OSHA PEL/ACGIH  
TLV-10MG/M3 TWA, TOTAL DUST.

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

This MSDS may be used for other container sizes of this product. When parts A & B are combined, the hazard warnings for both components are present.

~~~~ SECTION 3 ~~~~ HAZARDS IDENTIFICATION ~~~~

**Potential Health Effects**

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

ELASTUFF 120B MASTIC 55'S

Page:2  
10/28/2005

**Eyes:**

Eye contact with vapor may cause minimal to moderate irritation. Contact with liquid may result in severe irritation. Symptoms include stinging, watering, redness, and swelling.

**Skin:**

Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin causing dermatitis.

**Ingestion:**

Can result in irritation & corrosive action in the mouth, stomach tissue and digestive tract, resulting in sore throat, abdominal pain, nausea, vomiting and diarrhea. If aspirated into the lungs, chemical pneumonia may result.

**Inhalation:**

Irritation of mucous membranes may occur. Concentrated vapors may cause dizziness, headache and nausea.

~~~~ SECTION 4 ~~~~ FIRST AID MEASURES ~~~~

**Eyes:**

Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

**Skin:**

Immediately wash skin with a generous amount of soap and water. Remove contaminated clothing and shoes and wash before reuse. If irritation persists consult a physician.

**Ingestion:**

If person is conscious give two glasses of water (16 oz) but do not induce vomiting. If vomiting occurs spontaneously lower head to avoid aspiration into lungs, give fluids again. Never give anything by mouth to an unconscious or convulsing person. Consult a physician immediately.

**Inhalation:**

Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

**Note to Physician:**

No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

~~~~ SECTION 5 ~~~~ FIRE FIGHTING MEASURES ~~~~

**Flammable Properties**

**Flash Point:** 275F/135C

**Lower Flammable Limits:** N/A

**Upper Flammable Limit:** N/A

**Auto Ignition Temperature:** Not available

**Extinguishing Media:**

Foam, CO2, dry chemical, water fog or spray, as appropriate for surrounding fire.

**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. Use water spray to cool fire exposed structures and to cool fire exposed containers to prevent pressure build-up and possible rupture of container.

~~~~ SECTION 6 ~~~~ ACCIDENTAL RELEASE MEASURES ~~~~

**Small Spill:**

Always wear appropriate Personal Protective Equipment as you would if you were using this product. Dike and absorb with inert material such as sand and remove all liquid with the use of a vacuum system. If unable to remove as a liquid, then absorb with sand, saw dust or commercial absorbent, and scoop up and place in containers for proper disposal. Keep spills and cleaning runoff out of the municipal sewers and open bodies of water. Decontaminate all clothing and the spill area with a detergent and large amounts of water.

**Large Spill:**

Use same procedure as small spill.

~~~~ SECTION 7 ~~~~ HANDLING AND STORAGE ~~~~

**Handling & Storage:**

Use with adequate ventilation. Provide ventilation during use to control exposure within Section 8 guidelines. If TLV's are exceeded, use appropriate respiratory protection. Avoid eye contact. Avoid skin contact. Do not breathe vapor. Keep container closed. Do not take internally.

**Other Precautions:**

Containers, even those that have been emptied, will retain product residue & vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not get in eyes, on skin or on clothing. Avoid prolonged or repeated breathing of vapor or spray mist. Use only in a well ventilated area. Keep out of the reach of children.

~~~~ SECTION 8 ~~~~ EXPOSURE CONTROLS/PERSONAL PROTECTION ~~~~

**Engineering Controls:**

In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or

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

ELASTUFF 120B MASTIC 55'S

Page:4  
10/28/2005

mist. Turn off heating and/or air conditioning equipment to prevent contaminating building.

If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

**Respiratory Protection:**

Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

**Skin Protection:**

Chemical resistant gloves determined to be impervious under the conditions of use.

**Eye Protection:**

Chemical goggles, unless a full-face piece respirator is used. Eye protection worn must be compatible with respiratory protection system employed.

~~~~ SECTION 9 ~~~~ PHYSICAL AND CHEMICAL PROPERTIES ~~~~

**Boiling Range:** 469.4F/243C - 595F/313C

**Melting Point:** N/A

**Specific Gravity(H2O=1):** .9863

**Vapor Density(Air=1):** Not determined.

**Vapor Pressure:** Not determined.

**Evaporation Rate(N-Butyl Acetate=1) :** Slower than ether

**Coating V.O.C.:** 0.06 lb/gl                      Coating V.O.C.: 7 g/l

**Material V.O.C.:** 0.06 lb/gl                      Material V.O.C.: 7 g/l

**Solubility in Water:** INSOLUBLE.

**Appearance:** DARK VISCOUS LIQUID. **Odor:** Aromatic odor.    **pH:** N/A

~~~~ SECTION 10 ~~~~ STABILITY & REACTIVITY DATA ~~~~

**Stability:**

Stable

**Conditions To Avoid:**

Avoid heat, open flames, welding arcs or other ignition sources which induce thermal decomposition and/or combustion.

Keep from freezing.

**Incompatible Materials:**

Avoid contamination with oxidizing materials and/or water.

**Hazardous Decomposition Products**

Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

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

ELASTUFF 120B MASTIC 55'S

Page:5  
10/28/2005

**Hazardous Polymerization:**

Not expected to occur

~~~~ SECTION 11 ~~~~ TOXICOLOGICAL INFORMATION ~~~~

\*Data is for individual components of preparation.

**Materials having a known chronic/acute effects on eyes:**

NO DATA

**Materials having a known dermal toxicity.**

2-Ethyl-1,3-hexanediol (EHDiol) CAS# 94-96-2

Dermal LD50: 2000mg/kg (rabbit)

Titanium Dioxide CAS#13463-67-7 Dermal LD50 (rabbit) >10 g/kg

**Materials having a known oral toxicity.**

CASTOR OIL: THE ORAL LD50 FOR RATS IS >5,000MG/KG.

2-Ethyl-1,3-hexanediol (EHDiol) CAS# 94-6-2

OralLD50: 1400mg/kg (rat)

LD50: 1900mg/kg (mouse)

LD50: 2600mg/kg (rabbit)

Animal studies indicate that ingestion of large amounts of dimethylaminobenzaldehyde may result in weakness, muscular failure, tremors and unconsciousness.

TITANIUM DIOXIDE CAS#13463-67-7 Oral LD50 (rat) >25 g/kg

**Materials having a known Inhalation hazard:**

TITANIUM DIOXIDE CAS#13463-67-7 LC50 (rat)>6.82 mg/l(4 hr)

**Identified Acute/ Short-term Effects:**

Irritation eyes, nose, throat; dizziness; dermatitis; chemical pneumonia (aspiration liquid); in animals: kidney damage.

**Identified Carcinogens/Longterm Effects:**

NO DATA

**Identified Teratogens:**

2-Ethyl-1,3-hexanediol (EHDiol) CAS# 94-6-2 has exhibited experimental teratogenic effects in studies conducted with female rats.

**Identified Reproductive toxins:**

2-Ethyl-1,3-hexanediol (EHDiol) CAS# 94-6-2 has exhibited experimental reproductive effects in studies conducted with female rats.

**Identified Mutagens:**

NO DATA.

~~~~ SECTION 12 ~~~~ ECOLOGICAL INFORMATION ~~~~

**Ecotoxicological effects on plants and animals:**

2-Ethyl-1,3-hexanediol (EHDiol) CAS# 94-6-2

Fish: LC0 (Leuciscus idus melanotus): >1000mg/L 48h fish, acute toxicity test, DIN 38421 Teil 15

Bacteria: EC10 (Pseudomonas putida): 1300mg/L 18 Bringmann and Kuehn, Z. Wasser Abwasser Forsch, 10,87-98 (1997)

Daphnia: EC50 (Daphnia magna): 811mg/L 24hr DIN 38412 Teil 11

Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows)>1,000 mg/l

**Chemical Fate :**

Spills on porous surfaces can contaminate groundwater. This product is not expected to be biodegradable. Avoid spillage into the environment.

~~~~ 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 preferred 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 any amount of any extremely hazardous substance(EHS) equal to or in excess of it's Threshold Planning Quantity(TPQ).

**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 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 compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures

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

ELASTUFF 120B MASTIC 55'S

Page:7  
10/28/2005

(including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.

**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. Mixtures 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 carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis 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:**

This product is not listed in any division, class, or subdivision.

**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:**

All of the components of this product are listed in the EINECS inventory or are exempt from notification requirements.

**State Regulations:**

**California:**

California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986

"WARNING: This product contains the chemical(s) appearing below known to the State of California to:

**A: Cause Cancer**

NONE KNOWN

\*If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS#14808-60-7

**B: Cause Birth Defects or other Reproductive Harm :**

NONE KNOWN

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm

**Delaware:**

NONE KNOWN

**Florida:**

NONE KNOWN

**Massachusetts:**

Titanium Dioxide CAS#13463-67-7    SUBSTANCE CODES:4

**Michigan:**

NONE KNOWN

