

# MSDS

## Material Safety Data Sheet

Date: July 18, 2002

**PRODUCT NAME: ELASTO-MULSION™ A-302****ITEM NUMBER: EMA302MS****DESCRIPTION: ASPHALT CLAY BASED EMULSION COATING**

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

### SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: Pacific Polymers International, Inc.

12271 Monarch Street, Garden Grove, CA 92841

Telephone: 714-898-0025

EMERGENCY PHONE NO: 714-898-0025

### SECTION II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Petroleum Asphalt # 8052-42-4	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>			< 45%
Clay Stabilizer #1332-58-7	0.39 mg/m <sup>3</sup>	0.39 mg/m <sup>3</sup>			< 10%
Water #7732-18-5					> 50%
Cellulose Fiber #9004-34-6	10 mg/m <sup>3</sup>				<5%

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

\*\*All Chemicals comprising this product are listed on the Toxic Substance Control Act (TSCA) inventory. \*\*

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	200F – 220F
Vapor Density	Greater than air. /// Vapor pressure: no data
Specific Gravity (H <sub>2</sub> O=1)	1.02 (Wt. Per Gallon → 8.5 pounds)
Evaporation Rate	Slower than ether
Solubility in water	Do not thin with water/ will coagulate
Appearance and odor	Dark color brown/black liquid mixture

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Not applicable
Flammable limits in air by volume	LEL: NE UEL: NE
Extinguishing media	N/R
Special Fire-fighting Procedures	N/A
Unusual Fire and Explosion Hazards	N/A

### SECTION V - REACTIVITY DATA

Stability	Stable
Conditions to avoid	Avoid heat, flames, strong oxidizers
Incompatibility (Materials to avoid)	Carbon oxides
Hazardous Decomposition or Byproducts	none
Hazardous Polymerization	Will not occur

### SECTION VI - HEALTH HAZARD DATA

#### Health risks and symptoms of exposure

Inhalation	May cause irritation to throat, nose and respiratory tract.
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Skin Contact	May cause irritation to skin on prolonged and repeated contact.
Eye Contact	Eye contact may result to irritation causing redness and burning effect.
Skin Absorption	None known
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Health hazards (acute & chronic):**

CARCINOGENICITY: NO; NTP? NO; IARC MONOGRAPHS: NO; OSHA REGULATED: NO

**Medical conditions generally aggravated by exposure:** None known**Emergency & First Aid Procedures**

Eyes	Immediately flush with plenty of water for at-least 15 minutes with eyelids wide open. Have eyes examined by physician immediately.
Skin	Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, get medical attention.
Inhalation	Remove person to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is labored, give oxygen. Consult a physician immediately. <b>DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>
Ingestion	Do not induce vomiting. Keep person warm and quiet. Get medical attention promptly. <b>DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>

**SECTION VII - SAFE HANDLING & USE INFORMATION****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate sources of ignition. Keep product out of sewers by diking or impounding. Soak up spill with sand or other inert absorbent. Place collected waste in properly labeled containers. Wash area.**WASTE DISPOSAL METHOD:** Dispose the waste in accordance to local, state and federal rules and regulations.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Prevent skin and eye contact. Store in a dry area. Do not ingest. Wear protective equipment to protect against contact.**OTHER PRECAUTIONS:** Do not drink, eat or smoke while working with the product. Wash before such an activity. KEEP AWAY FROM CHILDREN. Keep away from ignition sources such as fire, flame and sparks.**SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION****RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respirator when TLV is exceeded.**VENTILATION:** local and or mechanical exhaust recommended.**PROTECTIVE GLOVES:** Wear asphalt resistant gloves to protect against contact.**EYE PROTECTION:** Wear safety glasses or goggles to protect against eye contact.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES:** Wear coveralls or aprons to protect from skin contact. Provide eyewash stations and showers. Provide proper training to the applicators. Wash before eating, drinking, smoking or using the restroom. Wash the contaminated clothing and equipment before reusing them.**SECTION IX - REGULATORY INFORMATION****Transportation:** Proper Shipping Name: Not Regulated**Sara Title III (Section 313 Toxic Chemical Information):**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
None Known		

**California Proposition 65:**

{The following detectable components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and /or reproductive toxicity.}

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
None KNown		

**HMIS Ratings:** Health: 1  
 Flammability: 0  
 Reactivity: 0  
 Protection: G (gloves, goggles, coverall/apron, respirator)

**Disclaimer:** The data set forth in this MSDS are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Pacific Polymers International, Inc. makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.