

**ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET**

SC 958

Date of Preparation: **September 15, 2008**

MSDS No. AE064

Revision No. 0

Section 1 – Chemical Product and Company Information

Product/Chemical Name:	SC 958
Chemical Formula:	Mixture
CAS Number:	Mixture
Other Designations:	Latex Paint
General Use:	Surface Coating
Manufacturer:	ERGON Asphalt & Emulsions, Inc.; P O Box 1639; Jackson MS 39215-1639; Phone 601-933-3000; Hours of Operation 8:00 am – 5:00 pm; ERGON 24 Hour Emergency Phone Number 1-800-222-7122; CHEMTREC 1-800-424-9300.

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	% Wt
Aqueous Acrylic Emulsion Polymer	mixture	53-57
Water	7732-18-5	40-44
Carbon Black	1333-86-4	2-3
Surfactant	9003-11-6	<1
Adhesion Aid	proprietary	<1

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Aqueous Acrylic Emulsion Polymer	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Water	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Carbon Black	3.5 mg/m ³	None estab.	3.5 mg/m ³	None estab.	3.5 mg/m ³ *	None estab.	1,750 mg/m ³
Surfactant	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.

* NIOSH REL (10-hour TWA) for carbon black in the presence of polycyclic aromatic hydrocarbons (PAHs) is 0.1 mg PAHs/ m³ (measured as the cyclohexane-extractable fraction)

Section 3 – Hazards Information

EMERGENCY OVERVIEW

HMIS
H-1
F-0
R-0
PPE*
* Sec.8

POTENTIAL HEALTH EFFECTS

This product contains an aqueous polymer mixture with minimal health hazards when properly handled and used. However, drying and heating can release some of the ammonia and residual solvents and monomers (present in trace levels) that may be harmful if inhaled, ingested, or allowed to contact skin. Irritating and toxic gases may be released during a fire. This product presents a minimal fire or explosion hazard.

Primary Entry Routes: Inhalation, eye contact, absorption, and ingestion.

Target Organs: Eyes, skin, and digestive tract.

Acute Effects

Inhalation: Inhalation of vapor, spray, or mists from processing, especially when heated, may cause respiratory tract irritation, coughing, shortness of breath, nausea, and respiratory tract congestion.

Eye: This product may cause mild irritation with effects such as stinging, redness, tearing, or discomfort, depending on the amount and duration of exposure. Mist or vapors from heated processing may produce irritation.

Skin: Prolonged contact with skin may cause mild to moderate irritation if not rinsed off promptly.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

SC 958

Date of Preparation: September 15, 2008

MSDS No. AE064

Revision No. 0

Section 3 – Hazards Information (continued)

Ingestion: This product may be harmful if swallowed. Ingestion may cause gastrointestinal discomfort or mild irritation.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of this product.

Section 4 – First Aid Measures

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. Apply artificial respiration if victim is not breathing. Get medical attention for any breathing difficulty.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention if needed.

Ingestion: Seek immediate medical attention if product is swallowed. Do not induce vomiting unless instructed to do so by medical personnel.

After first aid, get appropriate in-plant paramedic or community medical support.

Special Precautions/Procedures:

Note to Physician: Provide general supportive measures and treat symptoms.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable

Flash Point Method: Not Applicable

Auto Ignition Temperature: Not Applicable

LEL: Not Applicable

UEL: Not Applicable

Flammability Classification: Not Applicable

Extinguishing Media: Water fog, dry chemical, carbon dioxide

Unusual Fire or Explosion Hazards: None. Material is water-based and will not burn until all water has evaporated. Residual solids and/or product container may support combustion

Hazardous Combustion Products: Thermal degradation produces monomer, solvent, and water vapors, smoke, soot, and oxides of carbon and nitrogen.

Fire-Fighting Instructions: None

Fire-Fighting Equipment: Use full protective clothing and self-contained breathing apparatus.



Section 6 – Accidental Release Matters

Spill/Leak Procedures: Stop spill at source. Confine spill by diking or impoundment. Clean-up spill but avoid flushing to sewer or surface water.

Small Spills: Stop spill at source if possible. Add absorbent or soil and place in sealable liquid-proof container for disposal.

Large Spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Mix with inert absorbent material such as soil, sand, or vermiculite to stabilize and place in container for disposal according to local regulations. Ventilate area if necessary.

Regulatory Requirements: Notify local health and pollution control agencies as appropriate. Follow applicable OSHA regulations (29 CFR 1900.120). This material is not a hazardous waste as defined in RCRA. For disposal follow all federal, state, and local regulations.

Section 7 – Handling and Storage

Handling Precautions: Avoid contact with clothing, skin, and eyes. Wash thoroughly after handling. Avoid inhalation and contact with mists or vapors. Use with adequate ventilation.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

SC 958

Date of Preparation: **September 15, 2008**

MSDS No. **AE064**

Revision No. **0**

Section 7 – Handling and Storage (continued)

Storage Requirements: Store in closed container in a cool, well-ventilated area. Store at 40-85 °F. Keep the container tightly closed except for immediate use.

Regulatory Requirements: None known.

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines: Drying and curing materials treated with this product evolves a small portion of ethylene glycol with water vapor. Adequate ventilation must be used to prevent worker overexposure. Work practices should be instituted to minimize exposures and compliance with OSHA Standards and Regulations 29 CFR 1910.1000 and 1910.1200.

This product may contain small quantities of the chemicals listed below, for which an OSHA PEL has been established. Although the use of this product under normally anticipated conditions should not result in a release where the PELs are exceeded, unusual conditions such as elevated temperature or release into confined spaces or where general ventilation is not sufficient, the PEL concentrations could be exceeded. The appropriate exposure limits for these chemicals are provided for your information.

Styrene (100-42-5)

ACGIH: 20 ppm TWA; 40 ppm STEL

OSHA: 50 ppm TWA; 215 mg/m³ TWA; 100 ppm STEL; 425 mg/m³ STEL

NIOSH: 50 ppm TWA; 215 mg/m³ TWA; 100 ppm STEL; 425 mg/m³ STEL

Butyl acrylate (141-32-2)

ACGIH: 2 ppm TLV

OSHA: 10 ppm TWA, 55 mg/m³ TWA

NIOSH: 10 ppm TWA, 55 mg/m³ TWA

Ventilation/Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: If ventilation is not sufficient to remove mist or fumes, respiratory protection is needed. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes: procedures for selecting respirators; medical evaluation; fit testing; use in routine and emergency situations; cleaning, disinfecting, storing, inspecting, repairing, discarding and maintaining respirators; adequate air quality, quantity and flow; training in respiratory hazards; training in use of respirators; evaluation of effectiveness of respiratory program.

Protective Clothing/Equipment: Wear protective gloves, boots, aprons, and gauntlets as needed to prevent prolonged or repeated skin contact. Goggles and face shields should be used in areas where splashing may occur. Wear protective eyeglasses or safety goggles per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or smoking.

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

SC 958

Date of Preparation: September 15, 2008

MSDS No. AE064

Revision No. 0

Section 9 – Physical and Chemical Properties

Physical State: Liquid	Water Solubility: Dispersible
Appearance and Odor: Black liquid with a slight acrylic odor	Other Solubilities: Moderate in acetone
Odor Threshold: NA	Boiling Point: 212°F (100°C)
Vapor Pressure: 17 mm Hg at 70°F (20°C)	Freezing/Melting Point: 32°F
Vapor Density (Air = 1): 0.62	Viscosity: 200 to 1,000 cPs
Formula Weight: No data	Refractive Index: No data.
Density: 8.4 to 8.5 lb/gal	Surface Tension: No data.
Specific Gravity (H₂O = 1, at 4°C): 1.01 to 1.02	% Volatile: 48% by wt.
pH: 6 to 8	Evaporation Rate: similar to water

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions.
Polymerization: Hazardous polymerization will not occur.
Chemical Incompatibilities: Strong acids, alkalis, and oxidizers.
Conditions to Avoid: Do not overheat product.
Hazardous Decomposition Products: Thermal degradation produces monomer, solvent, and water vapors, smoke, soot, and oxides of carbon and nitrogen.

Section 11 – Toxicological Information

Eye Effects: Causes irritation of eyes.	Skin Effects: Causes irritation of skin.
Acute Inhalation Effects: No data.	Acute Oral Effects: No data.
Carcinogenicity: Not a known human carcinogen.	
Teratogenicity: No data.	Mutagenicity: No data.
Chronic Effects: No data.	

Compounds Which May Be Released During Processing

Although the use of this product under normally anticipated conditions should not result in any exposure, unusual conditions such as elevated temperature or release into confined spaces or where general ventilation is not sufficient, trace amounts of the following chemicals may be released:

Styrene (100-42-5)

Inhalation LC50 Rat: 12 gm/m ³ /4H	Oral LD50 Rat: 2,650 mg/kg
Inhalation LC50 Mouse: 9,500 mg/m ³ /4H	Oral LD50 Mouse: 316 mg/kg

Carcinogenicity

ACGIH: A4 – Not Classifiable as a human carcinogen

OSHA: Monograph 60, 1994 (overall evaluation upgraded from a 3 to 2B with supporting evidence from other data relevant to the evaluation of carcinogenicity and its mechanisms; IARC Group 2B – possibly carcinogenic to humans)

IARC: Monograph 60, 1994 (overall evaluation upgraded from a 3 to 2B with supporting evidence from other data relevant to the evaluation of carcinogenicity and its mechanisms; IARC Group 2B – possibly carcinogenic to humans)

Butyl acrylate (141-32-2)

Inhalation LC50 Rat: 2,730 ppm/4H	Oral LD50 Rat: 900 mg/kg
Inhalation LC50 Mouse: 7,800 mg/m ³ /2H	Oral LD50 Mouse: 5,880 mg/kg
Dermal LD50 Rabbit: 2 mL/kg	

Carcinogenicity

ACGIH: A4 – Not Classifiable as a human carcinogen

IARC: Monograph 39, Supplement 7, Monograph 71, 1998 (Group 3 – not classifiable)

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

SC 958

Date of Preparation: **September 15, 2008**

MSDS No. AE064

Revision No. 0

Section 12 – Ecological Information

Ecotoxicity: No data.

Environmental Fate:

Environmental Transport: No data.

Environmental Degradation: No data.

Soil Absorption/Mobility: No data.

Section 13 – Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Waste material should be tested using methods described in 40CFR Part 261 to determine classification as a hazardous waste under RCRA guidelines. Follow Federal, state, and local regulations for disposal of solid waste.

Container Cleaning and Disposal: Follow Federal, state, and local regulations for disposal of the waste material and containers, regardless of waste classification.

Section 14 – Transport Information

Shipping Name: Not Regulated

Shipping Symbols: NA

Hazard Class: NA

Packaging Authorizations:

a) **Exceptions:** NA

b) **Non-bulk Packaging:** NA

c) **Bulk Packaging:** NA

Quantity Limitations:

a) **Passenger, Aircraft, or**

Railcar: NA

b) **Cargo Aircraft Only:**
NA

Vessel Stowage

Requirements:

a) **Vessel Stowage:** NA

b) **Other:** NA

ID No.: NA

Packing Group: NA

Label: NA

Special Provisions (172.102): NA

Section 15 – Regulatory Information

EPA Regulations:

RCRA

RCRA Hazardous Waste Number: Not listed.

RCRA Hazardous Waste Classification (40 CFR 261): Non-hazardous.

CERCLA

CERCLA: Not listed.

SARA

SARA 311/312 Codes: Not listed.

SARA Toxic Chemical: Not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

TSCA

This product may contain trace amounts of the following substances for which Export Notification is required:

t-Butylcatechol (CAS Number 98-29-3)

p-Methoxyphenol (CAS Number 150-76-5)

OSHA Regulations:

OSHA Specifically Regulated Substance: No

State Regulations:

California Proposition 65 - Chemicals known to the State of California to cause cancer and reproductive effects: Ethylbenzene and Formaldehyde

ERGON ASPHALT AND EMULSIONS, INC.
MATERIAL SAFETY DATA SHEET

SC 958

Date of Preparation: **September 15, 2008**

MSDS No. AE064

Revision No. 0

Section 15 – Regulatory Information (continued)

Compounds Which May Be Released During Processing

Although the use of this product under normally anticipated conditions should not result in any exposure. The components listed on one or more of the following state hazardous substances list below are provided for your information and that under unusual conditions such as elevated temperature or release into confined spaces or where general ventilation is not sufficient, may result in the release of trace amounts:

Component	CAS#	CA	FL	MA	MN	NJ	PA
Butyl acrylate	141-32-2	Yes	Yes	Yes	Yes	Yes	Yes
Styrene	100-42-5	Yes	Yes	Yes	Yes	Yes	Yes

Section 16 – Other Information

Prepared By: Mary E. Snow

Revision Notes:

Additional Hazard Rating Systems: NAS Hazard Rating for Bulk Water Transportation of asphalt:
Fire – 1, Health – 0, Water Pollution – 0, Reactivity -0.

Disclaimer: ERGON ASPHALT & EMULSIONS, INC. (EAE) PROVIDES THIS INFORMATION FOR THE USER'S CONSIDERATION. EAE BELIEVES THIS INFORMATION IS ACCURATE, BUT NOT ALL INCLUSIVE IN ALL CIRCUMSTANCES. USER SHOULD ENSURE THAT USER HAS CURRENT DATA RELEVANT FOR ITS PURPOSES. NO WARRANTY, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY, FITNESS OR OTHERWISE IS GIVEN.