

**1. Product and Company Identification**

**Material name** EBL  
**Version #** 02  
**Revision date** 09-21-2011  
**CAS #** Mixture  
**Manufacturer:** Ergon Asphalt & Emulsions, Inc.  
**Address:** P O Box 1639  
 Jackson MS 39215-1639  
**Contact Name:** Mary Ellen Snow  
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**CHEMTREC:** 1-800-424-9300

**2. Hazards Identification**
**Potential health effects**

**Routes of exposure** Inhalation.  
**Eyes** Contact with eyes may cause irritation. Prolonged or repeated exposure may cause severe irritation.  
**Skin** Severely irritating to skin. Can cause moderate injury (reddening and swelling). May lead to photosensitization and drying of the skin. Contact with hot material can cause thermal burns which may result in permanent damage.  
**Inhalation** May be irritating. Prolonged inhalation may be harmful. Exposure to fumes (from heating product) may be mildly irritating to the nose and throat. In case of persistent throat irritation or coughing: Seek medical attention and take along these instructions.  
**Ingestion** Health injuries are not known or expected under normal use. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Signs and symptoms** Irritation of nose and throat. Irritation of eyes and mucous membranes.

**Potential environmental effects** Ecological injuries are not known or expected under normal use.

**3. Composition / Information on Ingredients**

Hazardous components	CAS #	Percent
ASPHALT	8052-42-4	60 - 70
Non-hazardous components	CAS #	Percent
HYDROCHLORIC ACID	7647-01-0	0 - 1
PROPRIETARY INGREDIENTS	N/A	0 - 5
WATER	7732-18-5	25 - 35
Other components below reportable levels		0.0001 - 20

**4. First Aid Measures**
**First aid procedures**

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.  
**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops and persists.  
**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  
**Ingestion** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria. Not combustible by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Specific methods</b>	In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Methods for containment</b>	Ventilate area and avoid breathing vapors or mist. Prevent entry into waterways, sewer, basements or confined areas. Remove sources of ignition. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.
<b>Methods for cleaning up</b>	Dike far ahead of spill for later disposal. Allow spilled material to solidify and scrape up with shovels into a suitable container for recycle or disposal. Absorb spill with vermiculite or other inert material.

## 7. Handling and Storage

<b>Handling</b>	Avoid contact with molten material. Trace amounts of hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. Do not add water to hot product. This may result in frothing of the mixture causing hot asphalt to overflow the container.
<b>Storage</b>	Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5000 mg/m <sup>3</sup>	Inhalable fraction.
HYDROCHLORIC ACID (7647-01-0)	Ceiling	2.0000 ppm	

#### U.S. - OSHA

Components	Type	Value
HYDROCHLORIC ACID (7647-01-0)	Ceiling	5.0000 ppm 7.0000 mg/m <sup>3</sup>

<b>Engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
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### Personal protective equipment

<b>Eye / face protection</b>	Chemical goggles are recommended.
<b>Skin protection</b>	Plastic or rubber gloves and boots.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Brown to black in color.
<b>Color</b>	Black
<b>Odor</b>	Tar-like
<b>Odor threshold</b>	Not available.

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	2 - 4
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	212 °F (100 °C)
<b>Flash point</b>	400 °F (204.4 °C)
<b>Evaporation rate</b>	< 1
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	< 1 mm Hg @ 20 C
<b>Vapor density</b>	> 1
<b>Specific gravity</b>	1.01
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Slightly Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	> 700 °F (> 371.1 °C)
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.
<b>Percent volatile</b>	< 2 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous decomposition products</b>	Hydrogen chloride. Irritants. Sulfur oxides.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

#### Product

EBL (Mixture)

#### Test Results

Acute Inhalation LC50 Monkey: 209 mg/l estimated  
 Acute Inhalation LC50 Mouse: 7.1641 mg/l estimated  
 Acute Inhalation LC50 Rat: 113 mg/l estimated

#### Components

HYDROCHLORIC ACID (7647-01-0)

#### Test Results

Acute Dermal LD50 Mouse: 1449 mg/kg  
 Acute Inhalation LC50 Mouse: 1108 mg/l 1.00 Hours  
 Acute Inhalation LC50 Rat: 3124 mg/l 1.00 Hours  
 Acute Oral LD50 Rabbit: 900 mg/kg  
 Acute Other LD50 Mouse: 1449 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Chronic effects** Prolonged inhalation may be harmful.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### ACGIH Carcinogens

ASPHALT (CAS 8052-42-4)

A4 Not classifiable as a human carcinogen.

HYDROCHLORIC ACID (CAS 7647-01-0)

A4 Not classifiable as a human carcinogen.

## IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4)

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

HYDROCHLORIC ACID (CAS 7647-01-0)

3 Not classifiable as to carcinogenicity to humans.

## 12. Ecological Information

### Ecotoxicological data

#### Product

EBL (Mixture)

#### Test Results

LC50 Fish: 15.99 mg/l 96.00 Hours estimated

#### Components

HYDROCHLORIC ACID (7647-01-0)

#### Test Results

LC50 Western mosquitofish (*Gambusia affinis*): 282 mg/l 96.00 Hours

**Persistence and degradability** Not available.

## 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

### US federal regulations

#### US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

HYDROCHLORIC ACID (CAS 7647-01-0) 5000 LBS

#### US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity

HYDROCHLORIC ACID (CAS 7647-01-0) 500 LBS

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

HYDROCHLORIC ACID (CAS 7647-01-0) 1.0 %

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

HYDROCHLORIC ACID (CAS 7647-01-0) Listed.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Water Act (CWA)** Hazardous substance

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

ASPHALT (CAS 8052-42-4) Listed.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990 Carcinogenic.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

HYDROCHLORIC ACID (CAS 7647-01-0) 500 LBS

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

ASPHALT (CAS 8052-42-4) Listed.

HYDROCHLORIC ACID (CAS 7647-01-0) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

ASPHALT (CAS 8052-42-4) Special hazard.

## 16. Other Information

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 2  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date**

09-21-2011

**This data sheet contains changes from the previous version in section(s):**

Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Color  
Physical & Chemical Properties: Odor  
Ecological Information: Ecotoxicity  
Ecological Information: Environmental effects  
Ecological Information: Aquatic toxicity  
Disposal Considerations: Disposal instructions  
Regulatory Information: United States