

# MATERIAL SAFETY DATA SHEET

## CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### LAHALT EMULSION PART A

#### COMPANY IDENTIFICATION

Lahlat, LLC  
1926 Rankin Rd., Suite 110  
Houston, TX 77073

#### EMERGENCY TELEPHONE NUMBERS

Health **1-800-424-9300**  
Transportation **1-800-424-9300**

**PRODUCT INFORMATION:** MSDS Requests: **1-800-424-9300**  
Environmental, Safety & Health Info: **1-800-424-9300**  
Product Information: **1-800-424-9300**

## COMPOSITION/INFORMATION ON INGREDIENTS

100.0% LAHALT EMULSION

### CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
ASPHALT Chemical Name: Asphalt CAS 8052-42-4	<65.0%	5 mg/m3	ACGIH TWA
WATER Chemical Name: Water CAS 7732-18-5	<34.0%		
COPOLYMERS Chemical Name: Chloroprene CAS 126-99-8	<20.0%		
ADDITIVES Chemical Name: Anionic Emulsifier CAS 1310-73-2	<5.0%		

#### COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
AI-5 - Appendix A Categories	() - Chemical Has Been Proposed

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## HAZARDS IDENTIFICATION

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\*\*\*\*\***EMERGENCY OVERVIEW**\*\*\*\*\*

Dark to tan liquid.

- PROLONGED OR REPEATED BREATHING OF FUMES OR VAPORS OR CONTACT WITH SKIN CAN BE HARMFUL.
- MATERIALS PRESENT IN ASPHALT HAVE CAUSED CANCER IN LABORATORY ANIMALS.
- KEEP OUT OF REACH OF CHILDREN.

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### POTENTIAL HEALTH EFFECTS

#### EYE:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.

#### SKIN:

Expected to cause not more than minor skin irritation, but prolonged or frequently repeated skin contact may be harmful. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.

#### INGESTION:

Expected to cause no more than minor skin irritation, but prolonged or frequently repeated skin contact may be harmful. The system toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.

#### INHALATION:

If inhaled, this substance is considered practically non-toxic to internal organs. This hazard evaluation is based on data from similar materials.

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## FIRST AID MEASURES

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#### EYE:

No first aid procedures are required. However, as a precaution, flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

#### SKIN:

Remove contaminated clothing and wash skin thoroughly with soap and water. DO NOT use solvents or thinners to remove materials from skin. Asphalt can be removed with vegetable oil or mineral oil. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

#### INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

#### INHALATION:

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

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## FIRE FIGHTING MEASURES

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### FLAMMABLE PROPERTIES

FLASH POINT: NA

AUTOIGNITION: NA

FLAMMABILITY LIMITES (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA: CO<sub>2</sub>, Dry chemical, Foam and Water Fog.

Prepared according to the OSHA Hazard Communication

Standard (29CFR 1910.1200) and the ANSI MSDS Standard (Z400.1)

Rev. 06/25/15

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0.

**FIRE FIGHTING INSTRUCTIONS:**

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**COMBUSTION PRODUCTS:**

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur.

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## ACCIDENTAL RELEASE MEASURES

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**LAHALT EMERGENCY NUMBER 1-800-424-9300**

**ACCIDENTAL RELEASE MEASURES:**

Clean up small spills using appropriate techniques such as sorbet materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

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## HANDLING AND STORAGE

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**READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.**

Smoking, eating and drinking, etc. should be prohibited when skin contact with the product or fume condensate is possible. Workers should clean hands and face before smoking, eating and drinking, etc. Do not use solvents to clean hands and face. Use vegetable oils or mineral oil, followed by a thorough washing with soap and water.

**DO NOT** weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor of liquid.

**CAUTION!** Do not use pressure to empty drum or drum may rupture with explosive force.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

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### PERSONAL PROTECTIVE EQUIPMENT

**EYE/FACE PROTECTION:**

No special eye protection is usually necessary.

**SKIN PROTECTION:**

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

**RESPIRATORY PROTECTION:**

This material may have an inhalation hazard and, unless ventilation is adequate, the use of approved respiratory protection is recommended.

**ENGINEERING CONTROLS:**

Use this material only in well ventilated areas.

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## PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL DESCRIPTION:**

Prepared according to the OSHA Hazard Communication Standard (29CFR 1910.1200) and the ANSI MSDS Standard (Z400.1)  
Rev. 06/25/15

Dark to brown liquid.

PH:	7-10
VAPOR PRESSURE	60 MM Hg@ 100°F
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	212°F (100°C)
MELTING POINT:	30°F Freezes
SOLUBILITY:	Readily dispersible in water
SPECIFIC GRAVITY:	1.05 @ 75°F
EVAPORATION RATE:	NA
VISCOSITY:	50 cp @ 75°F
PERCENT VOLATILE (VOL):	NA

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### STABILITY AND REACTIVITY

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**HAZARDOUS DECOMPOSITION PRODUCTS:** NDA

**CHEMICAL STABILITY:** Stable.

**CONDITIONS TO AVOID:** No data available.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**HAZARDOUS POLYMERIZATION:**

Polymerization will not occur.

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### TOXICOLOGICAL INFORMATION

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**EYE EFFECTS:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**SKIN EFFECTS:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**ACUTE ORAL EFFECTS:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**ACUTE INHALATION EFFECTS:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**CHRONIC EFFECTS/CARCINOGENICITY:**

There is concern about the carcinogenicity of chemical compounds found in asphalts. The International Agency for Research on Cancer (IARC) reviewed the carcinogenic potential of asphalts in 1986 and again in 1987. At that time, they concluded there was inadequate evidence to decide that asphalts were carcinogenic to humans.

Overall, findings from health monitoring studies of asphalt workers are not conclusive. However, asphalt fume condensates and certain chemical components of asphalt fume have been shown to cause Cancer in mice when repeatedly applied to the skin and allowed to remain on the skin for a prolonged period of time. In addition, asphalt fume condensates have been shown to be weakly positive in Ames mutagenicity tests. Skin contact and breathing of fumes, mists and vapors should be reduced to a minimum.

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### ECOLOGICAL INFORMATION

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#### ECOTOXICITY:

This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

**ENVIRONMENTAL FATE:** No data available.

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### DISPOSAL CONSIDERATIONS

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#### DISPOSAL CONSIDERATIONS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

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### TRANSPORT INFORMATION

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The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

DOT PACKING GROUP: NOT APPLICABLE

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### REGULATORY INFORMATION

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SARA 311 CATEGORIES:	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	YES
	3. Fire Hazard:	NO
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

#### REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	21=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	22=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	23=TSCA Sect 12(b)

04=CA Prop 65-Carcin	14=ACGIH TWA	24=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	25=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	26=TACA Sect 4(a)
07=IARC Group 2A	17=OSMA PEL	27=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	28=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

ASPHALT is found on lists: 01, 10, 11, 13, 14.

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## OTHER INFORMATION

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### **NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;**

(Lease-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

### **PREPARATION STATEMENT:**

This Material Safety Data sheet has been revised to comply with the ANSI Z400.1 Standard.

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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.