



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material Name** LEB-300  
**Revision Date** 12/21/2011  
**Version #** 2  
**Product Use** Breaker  
**Manufacturer / Supplier** FRAC TECH SERVICES LLC  
2500 HWY 62 West  
Chickasha, OK 73018  
US  
General information: 1-405-222-2300  
**Emergency** 24 Hour Emergency: INFOTRAC: 1-800-535-5053

## 2. Hazards Identification

**Physical State** Liquid.  
**Appearance** Clear, Amber to Brown Liquid  
**Emergency Overview** Not available.  
**OSHA regulatory status** Not available.  
**Routes of exposure**  
**Eyes** May cause irritation.  
**Skin** May cause mild to moderate irritation with prolonged contact.  
**Inhalation** May cause mild to moderate irritation with prolonged contact.  
**Ingestion** May cause mild to moderate irritation with prolonged contact.  
**Potential environmental effects** Not available.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
No Hazardous Materials		

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

### First aid procedures

**Eye Contact** Remove contact lenses at once. Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. If irritation persists seek medical attention.  
**Skin Contact** Wash affected area thoroughly with soap and water for at least 15 minutes or until product is removed. Remove contaminated clothing and launder before reuse. If irritation develops, seek medical attention.  
**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek prompt medical attention.  
**Ingestion** Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.  
**Notes to physician** Not available.

## 5. Fire Fighting Measures

**Flammable Properties** Not Flammable.

**Extinguishing media****Suitable extinguishing media** Not applicable.**Unsuitable extinguishing media** Not available.**Specific Hazards arising from the Chemical** Not available.**Firefighting equipment / instructions**

NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and turnout gear.

**Specific Methods**

Not available.

**Hazardous combustion products**

Not available.

**6. Accidental Release Measures****Personal precautions**

Wear hand, eye, protective clothing and respiratory protective equipment to eliminate contact.

**Methods for cleaning up**

Eliminate ignition sources. Evacuate all non-essential personnel.

Small Spills: Soak up residue with an inert absorbent and place into appropriate containers for disposal or reclamation. Flush contaminated area thoroughly with water. Retain washings as contaminated waste.

Large spills: If possible stop the flow of chemical. Dike to contain and prevent spreading. Remove with vacuum or pump to salvage vessels. Treat residue as for small spills.

**7. Handling and Storage****Handling**

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Do not take internally. Wear appropriate protective clothing and equipment during handling. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

**Storage**

Keep container closed when not in use. Store drums with the bung up. Carefully vent container before removing bung. Store between 40°F to 70°F.

**8. Exposure Controls / Personal Protection****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**US. OSHA Table Z-1 Limits for Air Contaminates (29 CFR 1910.1000)**

Components	PEL	
	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.

**Canada. Alberta OELs (Occupational Health Safety Code, Schedule 1, Table 2)**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents) Components**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) Components**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**Mexico. Occupational Exposure Limit Values**

Components	TWA		STEL	
	ppm	mg/m3	ppm	mg/m3
No Hazardous Materials	Not available.	Not available.	Not available.	Not available.

**Engineering controls**

General (mechanical) room ventilation is expected to be satisfactory. Emergency eye wash fountains and safety showers should be in the immediate vicinity of any potential exposure.

**Personal protective equipment**

**Eye / face protection**

Chemical splash goggles and face shield if conditions warrant.

<b>Skin protection</b>	Nitrile rubber gloves.
<b>Respiratory protection</b>	Not normally required.
<b>General hygiene consideration</b>	Not available.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear, amber to brown liquid.
<b>Color</b>	Amber to Brown
<b>Odor</b>	Typical fermentation product odor.
<b>Odor threshold</b>	Not available.
<b>Physical State</b>	Liquid
<b>Form</b>	Liquid
<b>pH</b>	7.0 – 7.5
<b>Melting point</b>	Not available
<b>Freezing point</b>	14°F (-10°C)
<b>Boiling point</b>	220°F (104.4°C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<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>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific Gravity</b>	1.090 – 1.110
<b>Solubility (water)</b>	Complete
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Bulk Density</b>	9.23 lb/gal
<b>VOC</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Percent volatile</b>	Not available.

## 10. Chemical Stability Reactivity Information

<b>Chemical Stability</b>	Stable.
<b>Conditions to avoid</b>	High temperatures and high moisture.
<b>Incompatible material</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.
<b>Possibility of hazardous reaction</b>	Not available.

## 11. Toxicology Information

## Toxicological Data

### Components

No Hazardous Materials

### Test Results

Not available.

### Sensitization

Not available.

### Carcinogenicity

No Hazardous Materials

Not available.

### Epidemiology

Not available.

### Mutagenicity

Not available.

### Reproductive effects

Not available.

### Teratogenicity

Not available.

### Further Information

Not available.

## 12. Ecological Information

### Ecotoxicological data

#### Components

No Hazardous Materials

#### Test Results

Not available.

### Ecotoxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulation / Accumulation

Not available.

### Mobility in environmental media

Not available.

### Partition coefficient (n-octanol/water)

Not available.

## 13. Disposal Considerations

### Waste codes

Not available.

### Disposal instructions

Recycle if possible. Otherwise comply with all local, state, and federal regulations.

### Contaminated packaging

Drain container thoroughly. Triple rinse with water. Send to reclaimer or dispose of properly. Comply with all local, state, and federal regulations.

## 14. Transport Information

### DOT

#### UN number

**Proper shipping name** Not regulated.  
**Hazard class**  
**Packing Group**  
**Labels required**  
**DOT reportable quantity** Not available.  
**Additional information**  
**Special provisions**  
**Packaging exceptions**  
**Packaging non bulk**  
**Packaging bulk**  
**ERG number**

**IATA**

**UN number**  
**Proper shipping name** Not regulated.  
**Hazard class**  
**Packing group**  
**Additional information**  
**ERG code**

**IMDG**

**UN number**  
**Proper shipping name** Not regulated.  
**Hazard class**  
**Packing group**  
**EmS No**  
**IMDG Additional information:**

**15. Regulatory Information**

**US federal regulation**

**CERCLA (Superfund) Reportable Quantity:** None

**Superfund amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard Categories</b>	Immediate Hazard:	Yes
	Delayed Hazard:	Yes
	Fire Hazard:	No
	Pressure Hazard:	No
	Reactivity Hazard:	No

Section 302 extremely hazardous substance: None

Section 311 hazardous chemical: None

**Inventory Status**

<b>Country</b>	<b>Inventory Name</b>	<b>On Inventory *</b>
Australia	AICS	No
Canada	DSL	Yes
Canada	NDSL	No

China	IECSC	No
Europe	EINECS	No
Europe	ELINCS	No
Japan	ENCS	No
Korea	ECL	No
New Zealand	NZI	No
United States / Puerto Rico	TSCA	Yes
Phillipines	PICCS	No

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

**WHMIS Information** Not available.

**State Regulation** Not available.

**16. Other Information**

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

**HMIS® ratings** Health: 1  
 Flammability: 1  
 Physical Hazard: 0  
 A HMIS® rating including an \* indicates a chronic hazard.

**NFPA ratings** Health: 1  
 Flammability: 1  
 Instability: 0

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