



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

66502/66502

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PRODUCT NAME: LBA™

Section I MANUFACTURER'S INFORMATION

MANUFACTURER'S NAME & ADDRESS:

CETCO – Drilling Products Group
1500 West Shure Drive
Arlington Heights, IL 60004

Date Prepared: January 1, 2007

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Section II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS:

(Specific Chemical Identity: Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits

%

Recommended

(optional)

Glycolic Acid

CAS# 79-14-1

None Established.

60 - 80 %

PRODUCT IDENTIFICATION

Chemical Family:

Organic Acid Solution.

Formula:

HO-CH₂-COOH

NFPA/HMIS:

Health - 3, Fire - 0, Reactivity - 0, Specific Hazard - See Section VI.

DOT Class:

Corrosive Liquid, n.o.s. (Glycolic Acid), 8, UN 1760, PG II. (Label Corrosive)

Section III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 112°C Density (H₂O=1): 1.170

Vapor Pressure (mm Hg.): Vapor is water.

Melting Point: 10°C (precipitates).

Vapor Density (AIR = 1): Vapor is water.

Evaporation Rate: Not Determined.

Solubility in Water: Miscible.

pH: 1.2 at 25°C

Appearance and Odor: Light amber liquid, mild odor (like burnt sugar).

Section IV FIRE AND EXPLOSION HAZARD DATA

Fire: This product is not combustible. Use extinguishing media suitable for surrounding materials.

Special Fire Fighting Procedures: Protect fire fighters from physical contact with product since it a strong acid cleaner. The product is not anticipated to cause any contribution to the fire, but can cause chemical burns to the skin and eyes if not washed off and neutralized.

Section V REACTIVITY DATA

Stability

Stable

Conditions to Avoid - See Incompatibility.

Incompatibility (Materials to Avoid): Avoid contact with metals, oxidizing materials such as nitric acid, cyanides or sulfides, oxides of nitrogen, hydrogen cyanides or hydrogen sulfides.

Hazardous Decomposition or By-products: May liberate carbon monoxide or carbon dioxide and unknowns in small amounts.

Hazardous Polymerization Will Not Occur

Conditions to Avoid - None Known.

Section VI HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation? Yes

Skin? Yes

Ingestion? Yes

Health Hazards (Acute and Chronic): See sections below.

Carcinogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? No

Animal Data:

Inhalation 4-hour LC50 (glycolic acid): 7.7 mg/l in rats

Oral LD50 (glycolic acid):

4,240 mg/kg in rats

**PRODUCT NAME: LBA™****Section VI HEALTH HAZARD DATA**

Signs and Symptoms of Exposure: Severe skin irritant and may cause burns and ulceration of the eyes. Prolonged exposure may cause skin burns and ulceration. Inhalation may cause nose, throat, and lung irritation. Ingestion may cause burns and/or perforation of the gastrointestinal tract. Gross overexposure may result in death.

Medical Conditions Generally Aggravated by Exposure: Individuals with preexisting diseases of the skin, kidneys, or reproductive system may have increased susceptibility to the toxicity of excessive exposure.

Emergency and First Aid Procedures:

- Skin:** Immediately flush with plenty of water for at least 15 min. Remove contaminated clothing and wash before reuse.
- Eyes:** Immediately flush with plenty of water for at least 15-min. holding eyelids apart to ensure flushing of the entire eye. Get prompt medical attention.
- Inhalation:** Move to fresh air location. Give artificial respiration if not breathing. Get immediate medical attention.
- Ingestion:** Do not induce vomiting. Drink 2 Glasses of water, milk or Milk of Magnesia to help neutralize the alkali; Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: For small spills or drips, mop or wipe up and dispose of in DOT- approved waste containers. For large spills, contain by diking with soil or other non-combustible absorbent material and carefully neutralize with soda or lime. If soda ash is used, provide adequate ventilation to dissipate the carbon dioxide gas. Non-neutralizing material out of sewers, storm drains, surface waters, and soil. See Section VIII for protective equipment for equipment for cleanup personal.

Waste Disposal Method: Dispose at authorized chemical dump complying with all federal, state, and local regulations. Material is biodegradable.

Precautions to Be Taken in Handling and Storing: Do not freeze product. Do not mix with other chemicals except water, unless under supervision of a chemist. Wash thoroughly after handling. Discard all contaminated boots, gloves and other articles that can't be properly cleaned.

Other Precautions: Do not get in eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

Section VIII CONTROL MEASURES

Respiratory Protection (Specify Type): Use NIOSH approved respirator if mist, spray, or vapors are generated.

Ventilation: - Local Exhaust: Use to minimize exposure to vapors. Special: Not Applicable.
- Mechanical (General): Fans. Other: None Known.

Protective Gloves: Rubber. **Eye Protection:** Safety glasses.

Other Protective Clothing or Equipment: Wear long sleeve shirts and pants, rubber gloves, rubber apron, and non-slip safety shoes.

Work/Hygienic Practices: Wash protective equipment after contact with product.

Section IX REGULATORY INFORMATION

* Not reportable under SARA, Title III, Sec. 313 and 40 CFR 372 (Form R).

* All components are listed on TSCA Inventory.

* DOT Proper shipping name - Corrosive Liquid, n. o. s., (Glycolic Acid), 8, UN 1760, PG II

* This product is designed to be flushed from the well until turbidity is less than 1 NTU.

* NSF Certified to Standard 60.

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