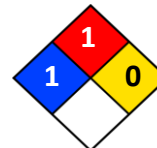


Date Issued: January 19, 2018  
Revision No: 1

### Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer:** Ethical Solutions, LLC  
**Address:** 177 Governor's Hwy, South Windsor, CT 06074  
**Phone Number:** (860) 757-3788



**24 Hour EMERGENCY CONTACT:** ChemTel: 1-800-255-3924

**Product Name:** E-Mulse 10  
**Issue Date:** January 19, 2018

### Section 2: HAZARDS IDENTIFICATION

#### Emergency Overview

**Appearance/Odor:** Yellow to amber, viscous with fatty odor.

**Stability:** Product is stable under normal conditions.

**Slippery when spilled.**

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Eye contact, skin contact, inhalation.

**Eye:** Causes moderate to severe irritation.

**Skin:** May cause slight redness. Prolonged or repeated exposure may cause drying of the skin.

**Inhalation:** May cause nose, throat, and respiratory tract irritation, coughing, headache.

**Ingestion:** Not likely to be toxic, but may cause vomiting, headache, or other medical problems.

**Medical Conditions Aggravated By Exposure:** May irritate the skin of people with pre-existing skin conditions.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

	Percent by wt.	CAS
Non-ionic Surfactants	100%	Proprietary

### Section 4: FIRST AID MEASURES

#### **Eye Contact:**

Flush with water for at least 15 minutes. If irritation persists, seek medical attention.

#### **Skin Contact:**

Wash affected area with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing. If irritation develops, seek medical attention.

#### **Inhalation:**

Move to fresh air immediately. If breathing is difficult or discomfort persists, seek medical attention.

#### **Ingestion:**

Rinse mouth with water. Dilute by drinking 1 or 2 glasses of water. Do not induce vomiting. Seek medical attention immediately. Do not administer anything by mouth to an unconscious person.

#### **Notes to Medical Doctor:**

Direct contact may be minimally irritating. Treatment is by dilution and is symptomatic and supportive.

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## Section 5: FIRE FIGHTING MEASURES

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**Flash Point (Method):** >201°F (>93.9°C)

**Suitable Extinguishing Media:** Carbon dioxide, foam, or dry chemical. Caution: Carbon dioxide will displace air in confined spaces and may create an oxygen deficient atmosphere.

**Unsuitable Extinguishing Media:** None

**Products of Combustion:** Forms acrid fumes, carbon monoxide, carbon dioxide, and oxides of nitrogen.

**Protection of Firefighters:** Vapors may be irritating to eyes, skin and respiratory tract. Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting turnout gear.

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## Section 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Use personal protection recommended in Section 8. Product is slippery when spilled. Isolate the hazard area. Deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways.

**Methods for Containment:** Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable material.

**Methods for Clean Up:** Eliminate all ignition sources. Use equipment rated for use around combustible materials. Place in appropriate disposal container.

**Other Information:** There are no special reporting requirements for spills of this material.

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## Section 7: HANDLING AND STORAGE

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### Handling

Open container slowly to release pressure caused by temperature variations. Do not allow this material to come in contact with eyes. Avoid prolonged contact with skin. Use in well-ventilated areas. Do not breathe vapors. As with any chemical, employees should thoroughly wash hands with soap and water after handling this material

### Storage

Product may be packaged in phenolic-lined, steel containers or fluorinated plastic containers. Store in well-ventilated area. Storage temperature should not exceed flashpoint for extended periods of time. Keep container closed when not in use.

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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Guidelines

Nonionic Surfactant	N/E (N/E - Not Established)
Nonionic Surfactant	N/E
Nonionic Surfactant	N/E

### Engineering Controls:

Provide ventilation to minimize the release of vapors and mist into the work environment. Spills should be minimized or confined to prevent release from work area. Remove contaminated clothing immediately and wash before reuse. Keep away from sparks and flames.

### Eye/Face Protection:

Wear chemical splash-type safety glasses or goggles. Use full face mask if severe splashing is expected during use.

**Skin Protection:**

Liquid proof neoprene gloves are recommended. Nitrile gloves are adequate. Wear boots, apron, or bodysuits as necessary.

**Respiratory Protection:**

Not normally required. If adequate ventilation is unavailable, use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.

**General Hygiene Considerations:**

As with any chemical, wash hands thoroughly after handling. Have eyewash facilities immediately available.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Color:** Yellow to amber

**Odor:** Fatty odor

**Physical State:** Liquid

**Boiling Point:** 212°F (100°C)

**Specific Gravity:** ~1.034 @ 68°F (20°C)

**Vapor Pressure:** NA

**Flash Point:** >201°F (54.4°C)

**Solubility in Water:** Soluble.

**Volatile Organic Compound (VOC) Content:** NA

Note: These specifications represent a typical sample of this product, but actual values may vary. Certificates of Analysis and Specification Sheets are available upon request.

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**Section 10: STABILITY AND REACTIVITY**

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**Stability:** Stable.

**Conditions to Avoid:** Keep away from heat, sparks, flames, and contamination.

**Incompatible Materials:** Strong oxidizing agents and strong acids, including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

**Hazardous Decomposition Products:** None

**Possibility of Hazardous Reactions:** None

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**Section 11: TOXICOLOGICAL INFORMATION**

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**Acute Effects**

NA

**Chronic Effects**

NA

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**Section 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity:** N/A

**Persistence/Degradability:** Product is expected to be readily biodegradable.

**Bioaccumulation/Accumulation:** No appreciable bioconcentration is expected in the environment.

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**Section 13: DISPOSAL CONSIDERATIONS**

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**Disposal:**

An acceptable method of disposal is to dilute with large amounts of water, at which point it may be discharged into a suitable treatment system in accordance with regulatory agencies.

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**Section 14: TRANSPORT INFORMATION**

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**TDG Status:** Not Hazardous

**IMO Status:** Not Hazardous  
**IATA Status:** Not Hazardous

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment, or other regulatory descriptions.

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## Section 15: REGULATORY INFORMATION

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### Global Inventories

The components of this product are included in the following inventories:

USA (TSCA)  
Canada (DSL)  
Australia (AICS)  
Korea (KECL)  
Philippines (PICCS)

### Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

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## Section 16: OTHER INFORMATION

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### NFPA 704: National Fire Protection Association

Health – 1

Fire – 1

Reactivity – 0

### Legend

OSHA – United States Occupational Health and Safety Administration

IARC – International Agency for Research on Cancer

NTP – National Toxicology Program

NIOSH – National Institute for Occupational Safety and Health

EPA – United States Environmental Protection Agency

Caution: The user should conduct his/her own experiments and establish proper procedures and control before attempting use on critical parts.

The information contained herein is based on current knowledge and experience: no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information obtained by the user. No warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment. This information is furnished upon the condition the person receiving it shall determine the suitability for the particular purpose. This MSDS is to be used as a guideline for safe work practices and emergency response.