

ALTERRA MATERIAL SAFETY DATA SHEET

Alterra Diesel Maxx Fuel Conditioner

Product code:

DIVISION AND LOCATION --- SECTION I

Division: Alterra Bioenergy of Middle Georgia, LLC. • 3402A Vineville Ave • Macon, GA 31204
Emergency Telephone Number: (478) 238-6148

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Methyl Ester plus additives

Formula: Proprietary mixture

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, smoke, aldehydes, and other products of incomplete combustion.

Incompatibility (keep away from): Open flame, electric arcs, or other sources that may cause ignition.

Materials to avoid: Strong oxidizers, acids, halogens and halogenated compounds

Form: Liquid **Odor:** slight aromatic

Appearance: Liquid

Color: Light amber

Specific Gravity (water = 1): .89

Boiling Point: 199° C

Melting Point: NA

Solubility in Water: Insoluble

Volatile (by weight %): Not determined

Evaporation Rate: Not determined

Vapor Pressure (mm Hg @ 20° C): Not determined

Vapor Density (air = 1): Not determined

pH (as is): NA

Stability: Product is stable under normal conditions

Viscosity cSt @ 40 degrees C: 3.827

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Recommended wearing self-contained breathing apparatus (SCBA). Keep fire exposed containers cool with water spray.

Unusual Fire and Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Containers may rupture on heating. Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in a well ventilated area.

Flashpoint: (Method Used) PMCC - greater than 130° C

Flammable Limits%: Not determined

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Chronic Effects of Over-Exposure**Acute Toxicological Properties:****Emergency First Aid Procedures:**

Eyes – Severe eye irritation with tearing, reddening and swelling if the eye and surrounding area.

Skin Contact: Prolonged and repeated contact with the skin may cause defatting of the skin and dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.

Inhalation – Inhalation of vapors can cause headache, dizziness, nausea and stupor.

Ingestion – May cause gastrointestinal irritation with upper abdominal pain, nausea, vomiting and diarrhea.

Emergency First Aid Procedures

Eyes: Flush with large amounts of cool water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water. Launder contaminated clothing. If irritation persists, call a physician.

Inhalation: Remove victim to fresh air. If breathing is labored, administer oxygen OR if breathing has stopped, call a physician and start CPR immediately.

Ingestion: If conscious, give two glasses of water. Contact a physician immediately. **DO NOT INDUCE VOMITING.**

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation Required: Local exhaust to keep vapors below OSHA and ACGIH permissible exposure limits.

Respiratory Protection: If exposure limits are exceeded, use either a NIOSH/MSHA approved face respirator with a combination organic vapor and high efficiency cartridge or a self-contained breathing apparatus. Use a self-contained breathing apparatus if working in a confined or enclosed space and for a large clean up sites.

Gloves/Glasses: Use impermeable gloves and safety goggles for repeated exposure or hot handling. Do not wear rings, watches, or similar apparel that could entrap the material and cause skin irritation.

HANDLING OF SPILLS OR LEAKS --- SECTION VI

Spill Control Measure: Ventilate area. Avoid breathing vapors. If spill occurs indoors turn off air conditioning and/or heating system to prevent vapors from contamination the entire building. Contain spills if possible. Immediately absorb spilled material with suitable absorbent material and pick up with non-sparking tools. Place into a hazardous waste container for disposal. Prevent entry into sewers and waterways. Avoid contact with skin, eyes, and clothing. Evacuate all non-essential personnel. Personal protective equipment should be worn.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations. Wear personal protective equipment - gloves, goggles, etc.

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SPECIAL PRECAUTIONS --- SECTION VII

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Handling and Storage: Keep containers tightly closed when not in use. Store in cool, well ventilated place, away from heat, sparks, flames, or strong oxidizers and/or incompatible materials.

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ENVIRONMENTAL/SAFETY REGULATIONS

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HMIS & NFPA Ratings: **Health = 1** **Fire = 1** **Reactivity = 1**

SARA Title III Information

This product contains less than 0.45% Xylene CAS # 1330-20-7

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