



MATERIAL SAFETY DATA SHEET

P.O. BOX 1603
EUNICE, LA 70535
866-457-0064 or 337-457-0064

HME ENERGIZER

SECTION I - IDENTIFICATION

Manufacturer's Name: Delta Drilling Products & Services, LLC
Physical Address: 154 Eastpark Drive
Eunice, LA 70535
Emergency Number: 866-457-0064 or 337-457-0064
Prepared by: Montello, Inc.
Product Name: HME Energize
Common Synonyms: Surface Active
Formula: Proprietary Blend

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Material or Component	%	Hazard Data
Nonylphenol Polyethoxyiate	NA	CAS # 9016-45-9
Aliphatic Carrier Fluid	NA	CAS # 64742-89-8

This Material Safety Data Sheet contains environmental, health, and toxicology information for your employees. Please make sure this information is given to them. It also contains information to meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of the MSDS.

All information recommendations and suggestions herein concerning our product are based on tests and data believed to be reliable. However it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Delta Drilling Products and Services as to the effects of such use, the results to be obtained, or the safety and toxicity of the product. Nor does Delta Drilling Products assume any liability arising from the use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

SECTION III - PHYSICAL DATA

BOILING	MELTING	FREEZING
Vapor Pressure:	(mmhg)	ND
Vapor Density:	(Air = 1)	ND
Solubility in Water:	ND	
Evaporation Rate:	Slower than Ethylether	
Specific Gravity:	(H2O = 1)	0.803 @ 77 degrees F
Appearance & Odor:	Colorless Liquid	
% Volatiles by Volume:	ND	
Solubility in water, % by Weight	ND	

PH: NA

NA = Not Applicable

ND = Not Determined

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point: 175 degrees F (TCC)
Flammable Limits: UPPER: ND LOWER: ND
Fire Extinguishing Media: Regular foam, carbon dioxide, dry chemical
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SECTION V - HEALTH HAZARD DATA

Carcinogenicity: There is no data available for assessing carcinogenic risk resulting from exposure to this material. IARC, NTP, or OSHA does not list this material as a carcinogen.

ACUTE ORAL: LD 50

ACUTE DERMAL: LD 50 ND

AQUATIC TOXICITY: LC 50 ND

ROUTES OF EXPOSURE AND EFFECTS:

Eye: Exposure causes severe eye irritation. Symptoms may include stinging, tearing, redness, swelling and eye damage.
Skin: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, and skin burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.
Swallowing: Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.
Inhalation: Exposure is possible under certain conditions of handling and use (for example, during heating, spraying or stirring). Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes gently with water for at least 15 minutes, while holding eyelids apart; seek medical attention.
Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention:
Swallowing: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on left side with head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.
Inhalation: If symptoms develop, move the individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm

and quiet; seek immediate medical attention.

SECTION VI - REACTIVITY DATA

Conditions Contributing to Instability: NONE

Incompatibility: Avoid contact with reducing agents and strong oxidizing agents.

Hazardous Decomposition Product: May form carbon dioxide and carbon monoxide, various hydrocarbons.

Conditions Contributing to Hazardous

Polymerization: Product will not undergo hazardous polymerization.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE:

Small Spill: Absorb liquid on vermiculite, floor absorbent, or other absorbent material to transfer to hood.

Large Spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from the area of spill until cleanup has been completed. Stop spill at source. Prevent entering drains, sewers, streams, or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product.

WASTE DISPOSAL METHOD:

Dispose of in accordance with all local, state, and federal regulations

SECTION VII - INDUSTRIAL HYGIEN CONTROL MEASURES

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control, OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Eye Protection: Chemical splash goggles and face shield (8" minimum) in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses. Consult your industrial hygienist.

Skin Protection: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION IX - SPECIAL PRECAUTIONS

Handling and Storage:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

WARNING:

Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "auto ignition" or "ignition" temperature values cannot be treated as safe

operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

SECTION X - DEPARTMENT OF TRANSPORTATION

DOT Description: Compounds, cleaning liquid, combustible liquid.
Placards: NA
Hazard Class: Combustible liquid
Reportable Quantity: 49 CFR 172.101 Not Applicable
Hazardous Substance: Not regulated by DOT in non-bulk containers except when shipped by Air or Water.

SECTION XI - REGULATORY INFORMATION

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERLA) requires notification of the National Response Center of Release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4

Components present in this product which may require notification are: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on RQs.

Components present in this product at a level which could require reporting under the statute are: NONE

SARA requirements the submission of annual reports of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:
Toxic Substance Control Act (TSCA)

The ingredients of this product are on the TSCA inventory.

SECTION XII - STATE RIGHT TO KNOW

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer: ETHYLENE OXIDE.

The information herein is furnished without warranty of any kind. Employers should use this information only as supplemental to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. DELTA DRILLING PRODUCTS & SERVICES, LLC assumes no responsibility and denies all liability for any loss, damage or expense connected with the customers methods of handling, storage, use and disposal of this product.

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