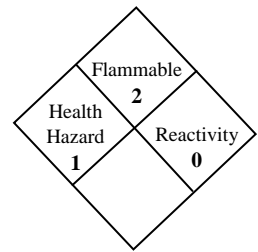




# WYO-BEN, INC.

## MATERIAL SAFETY DATA SHEET



NFPA FIRE HAZARD  
IDENTIFICATION SYSTEM

I. PRODUCT IDENTIFICATION			
Trade Name(s): <b>UNI-DRILL®</b>			
Generic Name(s): Liquid Viscosifier and Fluid Loss Control Agent			
Chemical Name(s): Cellulose ether with proprietary suspending agent			
Manufacturer: <b>WYO-BEN, INC.</b>		Telephone Numbers:	
Address: P.O. Box 1979 Billings, Montana 59103		Information: (406) 652-6351 EMERGENCY: (406) 652-6351	
II. HAZARDOUS INGREDIENTS			
Ingredient	CAS No.	%	Hazard
Petroleum Distillates, Hydrotreated Light	64742-47-8	58 (wt:wt)	Mild eye irritant, dizziness, nausea due to vapors (Sec. VI)
All components of the product are on the US TSCA list and the Canadian Domestic Substances List (DSL)			
III. PHYSICAL DATA			
Boiling Point (EF): 423 - 459° F		Specific Gravity (H <sub>2</sub> O=1): 0.97	
Vapor Pressure (mm. Hg): ND		Melting Point: ND	
Vapor Density (Air = 1): >3		Evaporation Rate (Butyl Acetate = 1): <1	
Solubility in Water: ND		pH: 6.9	
Density (at 20E C): 8.1 lbs./gal.			
Appearance and Odor: Off-white viscous liquid with mild very slight hydrocarbon odor.			
IV. FIRE AND EXPLOSION DATA			
Flash Point: 185° F (Tag closed cup)		Flammable Limits: LEL: ND UEL: ND	
Special Fire Fighting Procedures: Water fog or spray may be used to cool containers. Avoid using water on product. Product becomes extremely slippery when mixed with water.			
Unusual Fire and Explosion Hazards: Liquid evaporates and forms vapors that can easily spread and catch fire from ignition sources and burn with explosive force. Fire hazard is greater as liquid temperature rises above 85°F.			
Extinguishing Media: CO <sub>2</sub> , dry chemical, foam or water fog. Caution, product becomes very slippery when wet.			
V. REACTIVITY			
Stability: Stable.			
Hazardous Polymerization: Will not occur.			
Incompatibility: Strong oxidizing agents.			
Hazardous Decomposition Products: Thermal decomposition may produce CO <sub>2</sub> , CO and unidentified organic compounds.			
NA = Not Applicable		ND = Not Determined	

## VI. HEALTH HAZARD INFORMATION

### Routes of Exposure and Effects:

Eyes: Mild eye irritant which could cause prolonged (days) impairment of vision depending on length and degree of exposure.

Skin: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis.

Inhalation: Vapors unlikely except at high temperatures. High vapor concentrations may cause mild mucous membrane irritation, headache, dizziness, nausea or unconsciousness in extreme cases.

Ingestion: Low toxicity; may be irritating to the mouth, throat or stomach and cause nausea, vomiting and diarrhea.

### Permissible Exposure Limits:

Petroleum Distillate Hydrotreated Light

OSHA TWA

ND

ACGIH TLV

200 mg/m<sup>3</sup>

### Carcinogenicity:

Not listed by NTP, IARC or OSHA.

Acute Oral LD<sub>50</sub>: ND

Acute Dermal LD<sub>50</sub>: ND

Acute Inhalation LC<sub>50</sub>: ND

### Emergency and First Aid Procedures:

Eyes: Flush with clear water for 15 minutes or until irritation stops. Seek medical attention if irritation continues.

Skin: Wash with soap and water. Seek medical attention if irritation continues.

Inhalation: Remove from exposure; give oxygen if breathing is difficult. Administer CPR followed by oxygen if breathing stops and seek medical advice.

Ingestion: Give a glass of water or milk. Do not induce vomiting. Seek medical attention if illness or adverse symptoms develop.

## VII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Shut off sources of ignition. Shut off source of spill. Contain spill and absorb with inert material such as sand or earth. Clean up area immediately using clean, non-sparking tools. Flush area with large volumes of water after removing absorbent to thoroughly remove remaining product. Do not allow product, or its solutions, to enter waterways.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal laws.

Handling and Storage Precautions: Avoid high temperatures and open storage systems to minimize vapors. Liquid evaporates and forms invisible vapors that can catch fire with explosive force. Fire hazard is greater above 85°F. Do not reuse containers. Empty containers should be returned to a drum reconditioner or disposed of in an environmentally safe manner. Launder contaminated clothing before reuse.

## VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Mechanical ventilation recommended for enclosed work spaces.

Respirator: Normally not needed at ambient work temperatures. Where necessary use NIOSH/MSHA respirator approved for use with organic vapors.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Gloves: Use chemical resistant gloves, if needed, to avoid prolonged contact with skin.

Other Protective Clothing or Equipment: Use chemical resistant clothing, if needed, to avoid contaminating regular clothing which would result in prolonged or repeated skin contact.

## IX. SPECIAL PRECAUTIONS

Caution: Product becomes very slippery when mixed with water. Electrostatic charge may accumulate and create a hazardous condition when handling product. Grounding may be necessary. Use appropriate mitigating measures.

## DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIAL INFORMATION

Shipping Name: Petroleum products, N.O.S.

Hazard Class: Combustible Liquid

Hazardous Substance: Not applicable

Placard: Combustible/1268

Cautionary Labeling: None

Shipping Description: Petroleum products, N.O.S., Combustible Liquid, UN1268, PG III

Note: This product is not regulated by DOT when shipped domestically by highway or rail in non-bulk packages.

**Canadian WHMIS Classification:** Class B, Division 3: Combustible Liquids

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All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by WYO-BEN, INC. as to this information, or as to the safety, toxicity or effect of the use of this product.