



# Dennis Energy Services, Inc.

## Premium Mud Products and Services

P.O. Box 1914 Laredo, TX 78044

1-888-712-5595 (956) 712-1114 Fax (956) 712-4788

www.dennisenergy.com

FT. WORTH, TX  
LAREDO, TX  
SHREVEPORT, LA

### MATERIAL SAFETY DATA SHEET

#### DESI DRILL STICK 125

Identity: DESI Drill Stick 125

#### SECTION I - IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Manufacturer's Name: Dennis Energy Services, Inc.  
 Address: HWY 359 East  
 Laredo, TX 78044  
 Emergency Telephone Number: 1-888-712-5595  
 Telephone Number for Information: 956-712-1114  
 Dated Prepared: July 20, 2010

#### SECTION II – HAZARDS IDENTIFICATION

##### CAUTION

##### RISK STATEMENTS:

R36 Irritation to the eyes.

##### SAFETY STATEMENTS:

S25 Avoid contact with eyes.

SEE SECTION 11 FOR OTHER TOXICOLOGICAL INFORMATION (ACUTE & CHRONIC HAZARDS)

#### SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT%	TWA (OSHA)	TLV (ACGIH)
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##### CONFIDENTIAL

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

#### SECTION IV – FIRST AID MEASURES

##### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes and get medical attention.

##### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.

Wash thoroughly with soap and water. Wash contaminated clothing before reuse.

##### INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

##### SWALLOWING:

Rinse mouth. DO NOT give liquids to an unconscious or convulsing person.

#### SECTION V – FIRE FIGHTING MEASURES



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### **FIRE & EXPLOSION PREVENTIVE MEASURES:**

Isolate from open flames.

### **EXTINGUISHING MEDIA:**

Water spray, dry chemical, carbon dioxide, foam, sand.

### **SPECIAL FIRE FIGHTING PROCEDUES:**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers, Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves and rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

### **UNUSUAL EXPLOSION AND FIRE PROCEDURES:**

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires precautions.

## **SECTION VI – ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PROTECTIVE MEASURES:**

Keep unprotected personnel away.

Wear appropriate personal protective equipment given in Section 8.

### **ENVIROMENTAL PRECAUTIONS:**

Keep from entering storm sewers and ditches which lead to waterways.

### **CONTAINMENT AND CLEAN-UP MEASURES:**

Stop spill at source. Dike and contain.

Collect leaking and spilled liquid in sealable containers as far as possible.

## **SECTION VII - HANDLING & STORAGE**

### **HANDLING:**

Use only with adequate ventilation. Avoid prolonged or repeated.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

### **STORAGE:**

Do not store above 49 c/120 F. Keep container tightly close and upright when in use to prevent leakage.

## **SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **RESPIRATORY EXPOSURE CONTROLS:**

A respiratory protection program that meets OSHA 29 CFR 1910.34 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.



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### VENTILATION:

LOCAL EXHAUST: Necessary      MECHANICAL (GENERAL) : Acceptable  
SPECIAL: None      OTHER: None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

### PERSONAL PROTECTIONS:

Water OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

### WORK AND HYGIENIC PRACTICES:

Provide readily accessible eye wash stations and safety showers.  
Wash at end of each work shift and before eating, smoking or using the toilet.  
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles.  
Launder or discard contaminated clothing.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid, Opaque, White
ODOR:	None
ODOR THRESHOLD :	Not Available
pH (Neutrality) :	Not Applicable
MELTING POINT/FREEZING POINT :	Not Available
BOILING RANGE (IBP, 50% Dry Point) :	Not Applicable
FLASH POINT (TEST METHOD) :	Not Applicable
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION :	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol) :	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.5
VAPOR DENSITY (air=1) :	0.670
GRAVITY @ 68/68F / 20/20C :	
SPECIFIC GRAVITY (Water =1) :	1.002
POUNDS/GALLON :	8.351
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE :	Not Applicable
DECOMPOSITION TEMPERATURE :	Not Available

## SECTION X – STABILITY AND REACTIVITY

### STABILITY:

Stable under normal conditions.

### CONDITIONS TO AVOID:

Isolate from excessive heat and open flames.

### MATERIALS TO AVOID:

Isolate from oxidizers and reducers.

### HAZARDOUS DECOMPOSITIONS PRODUCTS:

Carbon Oxides, Sulfur Oxide, Sodium Oxide & Hydroxide from heating.

### HAZARDOUS POLYMERIZATION:

Will not occur.



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### **SECTION XI - TOXICOLOGICAL INFORMATION**

#### **ACUTE HAZARDS**

##### **EYE AND SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Solid can cause eye irritation. Wash thoroughly after handling.

##### **INHALATION:**

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression.  
Vapor harmful.

##### **SWALLOWING:**

Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

#### **SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED**

##### **CONDITIONS AGGRAVATED:**

None known.

#### **CHRONIC HAZARDS**

##### **CANCER, REPRODUCTIVE AND OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

#### **MAMMALIAN TOXICITY INFORMATION**

No mammalian information is available on this product.

### **SECTION XII - ECOLOGICAL INFORMATION**

##### **AQUATIC ANIMAL INFORMATION:**

No aquatic environmental information is available on this product.

##### **MOBILITY IN SOIL:**

Mobility of this material has not been determined.

##### **DEGRADABILITY:**

This product is completely biodegradable.

##### **ACCUMULATION:**

Bioaccumulation of this product has not been determined.

### **SECTION XIII - DISPOSAL CONSIDERATIONS**

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety and pollution laws. If in doubt, contact appropriate agencies.



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### SECTION XIV – TRANSPORT INFORMATION

DOT SHIPPING NAME: None  
DRUM LABEL: None  
IATA / ICAO: None  
IMO / IMDG: None  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

### SECTION XV – REGULATORY INFORMATION

#### EPA REGULATION:

SARA SECTION 311 / 312 HAZARDS: None Known.

All components of this product are on the TSCA list.

This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

#### INTERNATIONAL REGULATION:

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, China, Europe (EINECS), Japan, Korea, United Kingdom.

#### CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

### SECTION XVI – OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA) : 1, HEALTH (HMIS) : 1 FLAMMABILITY 1, REACTIVITY: 0  
(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### EMPLOYEE TRAINING:

SEE Section 2 for Risk and Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

#### NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources.

While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of the their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless upgraded, the Safety Data Sheet is valid unit 07/06/2013.