



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 SAPP STICK

Identity: DESI Sapp Stick

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

WARNING!

RISK STATEMENTS:

R36/37/38 Irritation to the eyes, respiratory system and skin.
 R65 Harmful : may cause lung damage if swallowed.

SAFETY STATEMENTS:

S2 Keep out of the reach of children.
 S23 Do not breathe gas, fumes, vapor or spray.
 S24 Avoid contact with skin.
 S62 If swallowed, do not induce vomiting; seek medical advice immediately
 And show this container or label.

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

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINEC#	WT%	TWA (OSHA)	TLV (ACGIH)
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BLEND IS CONFIDENTIAL

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.
 Using manufactures data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.0%):
 Cumene, Polycyclic Aromatics

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 skein immediately remove contaminated clothing.
 Wash thoroughly with soap and water. Wash contaminated clothing before reuse.

INHALATION:



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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 induce vomiting, GET MEDICAL ATTENTION IMMEDIATELY.

Do NOT give liquids to an unconscious or convulsing person.

SECTION V – FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES:

No open flames. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

EXTINGUISHING MEDIA:

Use dry powder, AFFF, water spray, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

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:

Isolate from oxidizers, heat, and open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires precautions.

Empty container very hazardous! Continue all label precautions!

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE MEASURES:

Keep unprotected personnel away.

Filter respirator for organic vapors.

ENVIRONMENTAL 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.

Absorb remaining liquid in sand or inert absorbent.

SECTION VII - HANDLING & STORAGE

HANDLING:

Isolate from oxidizers, heat and open flame.

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.

Avoid contact with skin and eyes.

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

Avoid free fall of solid. Ground containers when transferring. Do not flame cut, braze, or weld.



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Empty container very hazardous! Continue all label precautions!
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:

Isolate from strong oxidants.

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.

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:	Mild
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) :	60 C / 141 F (TCC) (Lowest Component)
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION :	Class IIIA
LOWER FLAMMABLE LIMIT IN AIR (% by vol) :	0.95 (Lowest Component)
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.4
VAPOR DENSITY (air=1) :	0.721
GRAVITY @ 68/68F / 20/20C :	
SPECIFIC GRAVITY (Water =1) :	1.054
POUNDS/GALLON :	8.780
WATER SOLUBILITY:	Appreciable
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE :	260c / 500F
DECOMPOSITION TEMPERATURE :	Not Available



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SECTION X – STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

CONDITIONS TO AVOID:

Isolate from excessive heat and open flames.

MATERIALS TO AVOID:

Reacts with strong oxidants, causing fire and explosion hazard.

HAZARDOUS DECOMPOSITIONS PRODUCTS:

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION:

Will not occur.

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:

Harmful or fatal if swallowed.

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

The symptoms of chemical pneumonitis may not show up for a few days.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED:

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE AND OTHER CHRONIC HAZARDS:

Leukemia been reported in humans from Benzene.

This product contains less than 1 ppm of Benzene.

Not considered hazardous in such low concentrations.

Absorption thru skin may be harmful.

MAMMALIAN TOXICITY INFORMATION

No mammalian information is available on this product.

SECTION XII - ECOLOGICAL INFORMATION



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AQUATIC ANIMAL INFORMATION:

No aquatic environmental information is available on this product.
Environmental effects of the substance have not been investigated adequately.

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.

SECTION XIV – TRANSPORT INFORMATION

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

SECTION XV – REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311 / 312 HAZARDS: None

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)

B3: Combustible Liquid.
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:



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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 07/20/2013.