Material Safety Data Sheet

Oil Base Mud
(Diesel Based)

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Oil Base Mud (Diesel Based)  Date Revised: 7/2010
Chemical Name: VARIOUS  CAS#: PROPRIETARY
Chemical Family: BLEND
Chemical Formula: UNKOWN
Synonyms: OBM

NFPA Properties: Health: 2 Flammability: 2 Reactivity: 0 Contact: 1

Supplier:

NOV FluidControl
4310 N Sam Houston Parkway East
Houston, Texas 77032 USA
Office: (713) 482-0500
Fax: (713) 482-0695
Company website: www.nov.com

Emergency Telephone Number:
CHEMTREC: 1-800-424-9300 or International +1-703-527-3887

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
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<tr>
<th>Hazardous Components</th>
<th>TWAPPM</th>
<th>TWA MG/M³</th>
<th>STEL PPM</th>
<th>STEL MG/M³</th>
<th>CAS#</th>
<th>LIMITS</th>
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<td>1. DIESEL</td>
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III. PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point °F: >350F
- Specific Gravity: VARIOUS
- Vapor Pressure: N/A
- Percent Volatility: 2-10%
- Vapor Density: N/A
- Evaporation Rate: NIL
- Solubility In Water: INSOLUBLE
- Melting Point °F: N/A
- Color: BLACK
- Odor: PETROLEUM AROMATIC
- Appearance: LIQUID
- pH: N/A
- Viscosity: NDA
- Activity: N/A
- LC50: NDA
- LD50: NDA
IV. FIRE & EXPLOSION HAZARD DATA

**Extinguishing Agents:** DRY CHEMICAL OR WATERSPRAY OR WATERFOG OR CO2 OR FOAM OR SAND & EARTH

**Flash Point °F:** >150F

**Flammable Limits:** N/A LEL: 0.4% UEL: 6.0%

**Special Firefighting Procedures:** USE WATER TO KEEP CONTAINERS COOL

**Unusual Fire & Explosion Hazards:** PRODUCTS OF COMBUSTION MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE AND OTHER TOXIC MATERIALS. DO NOT ENTER ENCLOSED OR CONFINED SPACE WITHOUT PROPER PERSONAL PROTECTIVE EQUIPMENT.

**Toxic Gases Produced:** CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER TOXIC GASES.

V. HEALTH HAZARD DATA

**Routes of Entry:** Inhalation: YES Skin: YES Ingestion: YES

**Effects of Overexposure:** PROLONGED EXPOSURE TO HIGH LEVELS OF VAPORS MAY CAUSE NAUSEA, VOMITING.

**Toxicological Properties:** NDA

**Chronic & Acute Effects of Overexposure:** NONE

**Carcinogenicity:** NTP: NO IARC Monographs: NO OSHA Regulated: NO

**Emergency First Aid Procedures**

**Eyes:** IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN.

**Skin Contact:** FLUSH WITH LARGE AMOUNTS OF SOAP & WATER FOR 15 MINUTES.

**Inhalation:** REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL A PHYSICIAN.

**Ingestion:** RINSE MOUTH, GIVE LARGE AMOUNTS OF WATER, AND CALL A PHYSICIAN. NEVER GIVE ANYTHING MOUTH-TO-MOUTH TO AN UNCONSCIOUS PERSON.

VI. REACTIVITY DATA

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR

**Hazardous Decomposition Products:** THERMAL DECOMPOSITION MAY INCLUDE, CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, FUMES

**Conditions To Avoid:** NONE

**Incompatibility and Materials to Avoid:** NONE
VII. SPILL & DISPOSAL PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled --- Procedures For Clean – Up: WASH AREA WITH WATER. SPILLS OR RELEASES OF THIS MATERIAL DO NOT CURRENTLY TRIGGER THE EMERGENCY RELEASE REPORTING REQUIREMENTS UNDER THE FEDERAL SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). STATE AND LOCAL LAWS MAY DIFFER FROM FEDERAL LAW. CONSULT COUNSEL FOR FURTHER GUIDANCE ON YOUR RESPONSIBILITIES UNDER THESE LAWS.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. (CONTAINS IRON AND TRIVALENT CHROMIUM)

Precautions To Be Taken In Handling & Storage: NONE

VIII. PROTECTIVE EQUIPMENT

Ventilation Type Required: MECHANICAL

Protective Gloves: RUBBER, RECOMMENDED

Respiratory Protection: WEAR A NIOSH APPROVED MASK IF CONCENTRATION IS TO EXCEED TLV

Other Protective Equipment: USE EXPlosion PROOF EQUIPMENT FOR HIGH CONCENTRATIONS OF VAPOR.

Comments:

IX. REGULATORY & TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: “OIL -- WELL TREATING COMPOUND”

US DOT Hazard Class: COMBUSTIBLE LIQUID

DOT ID Number: UN1993

ID Number:

Unregulated By DOT: Regulated by DOT: NO

Special Transportation Note:

Labels Required: COMBUSTIBLE LIQUID

DISCLAIMER:

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