MATERIAL SAFETY DATA SHEET

FILE NUMBER: 2770

NAME OF PRODUCT DEEP WELL PUMP OIL

DATE ISSUED: 11/5/10

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DEEP WELL PUMP OIL
SYNONYMS: DISTILLATE, PETROLEUM
PRODUCT CODES: 2770

MANUFACTURER: Maxum Petroleum
DIVISION: PHOENIX
ADDRESS: P.O. BOX 18988, Phoenix, AZ 85005
EMERGENCY PHONE: (800) 424-9300

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HMIS® HAZARD RATING		
4 – SEVERE	HEALTH	1
3 – SERIOUS	FLAMMABILITY	1
2 – MODERATE	REACTIVITY	0
1 - SLIGHT		
0 - MINIMAL		

PREPARED BY: MAXUM PETROLEUM HEALTH, SAFETY, SECURITY, AND ENVIRONMENTAL DEPARTMENT

MATERIAL HAZARD EVALUATION

(Per OSHA Hazard Communication Standard [29 CFR 1910.1200])

Health Precautions: **WARNING:** Fumes from hot product may cause irritation to the skin, nose, throat and lungs.

Safety Precautions: **WARNING:** Hot product can cause burns. If burned by hot product, cool affected area immediately with cool water. Seek medical attention immediately.

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL FAMILY: DISTILLATE (PETROLEUM) HYDROTREATED LIGHT NAPHTHENIC

HAZARDOUS COMPONENT(S)	CAL-OSHA PEL- TWA (8 HOUR)	ACGIH TLV-TWA (8 HOUR)	OTHER LIMITS RECOMMENDED	% BY WEIGHT
Distillate (Petroleum) Hydrotreated Light Naphthenic CAS No. 64742-53-6	5 mg/m³ (As oil mist)	5 mg/m³ (As oil mist)	None	>99

SECTION 3: HEALTH HAZARDS IDENTIFICATION

ROUTES OF ENTRY:	EYES: Yes	SKIN: Yes	INGESTION: Yes	INHALATION: Yes

POTENTIAL HEALTH EFFECTS:

EYES: Eye contact may result in irritation and redness. Thermal burns may result from contact with hot material. Exposure to high concentrations of vapors may be irritating to the eyes.

SKIN: Prolonged and repeated contact can defat the skin, which may result in dryness, dermatitis and cracking of the skin. Thermal burns may result from contact with hot material.

INGESTION: Do not ingest. Ingestion may result in nausea or stomach discomfort. If swallowed do not induce vomiting, call a physician.

INHALATION: Fumes from hot products may be unpleasant and may produce nausea. Remove the person to fresh air if respiratory discomfort occurs.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Persons with preexisting skin or respiratory disorders may have their conditions aggravated by overexposure to this material.

CARCINOGENICITY:

ACGIH, NTP, OSHA and IARC carcinogen lists were checked for those components with CAS Registry Numbers (64742-53-6).

ACGIH:	This product is not listed as carcinogenic.
IARC:	The International Agency for research on cancer has concluded that highly or severely refined light and middle distillates are Group 3 substances, "not classifiable as to their carcinogenicity to humans," based on inadequate human or animal evidence
NTP:	This product is not listed as carcinogenic.
OSHA:	This product is not listed as carcinogenic.

SECTION 4: EMERGENCY AND FIRST AID MEASURES

EYES:	Avoid contact with eyes. If contact occurs, immediately flush eyes with water for a minimum of 15 minutes. Seek medical attention immediately.
SKIN:	Avoid contact with skin. If contact occurs, wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area.
INGESTION:	Do not induce vomiting. If ingested, seek medical attention.
INHALATION:	Not expected to be a problem. However, if respiratory irritation, dizziness, nausea or unconsciousness occurs due to excessive vapor or mist exposure, seek medical attention. If operating conditions create airborne concentrations that exceed the exposure standard, the use of an approved NIOSH/OSHA respirator for organic vapors or air- supplied breathing equipment is recommended.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIMITS IN AIR, (% BY VOLUME)	UPPER: No data available LOWER: No data available
FLASH POINT: COC ºF:	330º Minimum
EXTINGUISHING MEDIA:	Foam, water fog, dry chemical, CO^2
SPECIAL FIRE FIGHTING PROCEDURES:	Do not enter confined fire space without proper protective equipment including self-contained breathing apparatus. See Hazardous Decomposition Products.
HAZARDOUS DECOMPOSITION PRODUCTS:	Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

SECTION 6: SPILL OR LEAK PROCEDURES

ACCIDENTAL RELEASE MEASURES:	In case of spill, clean up using absorbent material such as earth or sand.
WASTE DISPOSAL METHOD:	Observe Federal, State and Local regulations covering chemical waste spills.
RCRA HAZARD CLASS:	This product is not a characteristic hazardous waste under RCRA. No EPA waste numbers are applicable for this product's components.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Avoid fire, sparks or open flame. Wear appropriate personal protective equipment to ensure that this product does not contact the eyes or skin.
VENTILATION:	Use adequate ventilation to keep the airborne concentrations of this material below the established exposure standard.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	If operating conditions create airborne concentrations that exceed the exposure standard for this product, the use of an approved NIOSH/OSHA respirator for organic vapors or air supplied breathing equipment is recommended.
EYE PROTECTION:	Wear appropriate safety glasses, goggles or full-face shield.
SKIN PROTECTION:	Long sleeve cotton shirt and cotton pants are recommended. Wear appropriate gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Straw colored liquid
ODOR:	Petroleum odor
PHYSICAL STATE:	Liquid
INITIAL BOILING POINT:	616º F
VAPOR PRESSURE (mmHg):	<0.01mm Hg @ 100º F (ASTM D-2879)
PERCENT VOLATILE (% BY VOL.):	0
VAPOR DENSITY (AIR = 1):	4
EVAPORATION RATE (ETHYL ETHER = 1):	<1
SPECIFIC GRAVITY (H2O = 1):	0.89
SOLUBILITY IN WATER:	NIL

SECTION 10: REACTIVITY DATA

STABILITY:	Stable
CONDITIONS CONTRIBUTING TO INSTABILITY:	None
INCOMPATIBILITY (MATERIAL TO AVOID):	May react with strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Normal combustion forms carbon dioxide and water vapor, and may produce oxides of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 11: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: Not regulated as a hazardous material for transportation by USA DOT.

SECTION 12: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) REGISTRY: Listed

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT):
This product is not a hazardous substance under CERCLA.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

302/304 This product is not listed as an extremely hazardous substance in 40 CFR Part 355, and is not known to contain an extremely hazardous substance in a concentration greater than one percent by weight.

311/312 HAZARD CATEGORIES:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Pressure Release Hazard:	No
Reactivity Hazard:	No

313 This product is not known to contain any components in concentrations above *de minimus* levels that are listed as toxic in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA.

WHMIS: NDA

OSHA: 29 CFR 1910.1200 (Hazard Communication) required.

STATE REGULATIONS:

Mineral oil, petroleum extracts, heavy naphthenic distillate solvent appears on one or more of the hazardous substances lists in the following states:

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The information provided in this Material Safety Data Sheet is believed to be accurate and reliable on and as of the date on page one. **However, this Material Safety Data Sheet is not a guarantee or warranty of any kind, express or implied. Any and all warranties of merchantability and/or fitness for a particular purpose are specifically disclaimed.** It is the user's responsibility to determine the conditions under which the product is used, including the selection of engineering controls, work practices and Personal Protective Equipment to minimize hazards.