MATERIAL SAFETY DATA SHEET

On -Specification Used Oil

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General Information:
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CleanTech Environmental Services
Company's Emergency Phone #: 713-269-7504
Company's Phone #: 626 - 812-7200
Date MSDS Prepared 10/11/11
Safety Data Review Date: 10/11/12
Hazard Ratings: HEALTH 1 FIRE 2 REACTIVITY 0

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: PETROLEUM HYDROCARBONS
Percent: > 99%

Proprietary: NO
Ingredient: SULFUR
Percent: Range from 0 to 0.5 % by weight

Proprietary: NO
Ingredient: HALOGENATED HYDROCARBONS
Amount: <1000 ppm Total Halogens

Proprietary: NO
Ingredient: LEAD
Amount: <100 ppm Total lead

Proprietary: NO
Ingredient: CHROMIUM
Amount: <10 ppm Total chromium

Proprietary: NO
Ingredient: ARSENIC
Amount: <5 ppm Total arsenic

Proprietary: NO
Ingredient: CADMIUM
Amount: <2 ppm Total casmium

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Physical/Chemical Characteristics

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Appearance and Odor: BROWN/BLACK OIL; PETROLEUM-LIKE ODOR
Boiling Point: 400-1000° F
Vapor Pressure: 1.0 mmHg @ 68° F
Specific Gravity: 0.8-0.9 @ 60° F
Liquid Density: 6.5-7.5 lb./gal @ 60° F
Solubility in Water: NEGLIGIBLE
Viscosity @ 100º F: 25-40 Kinematic Centistokes or 120-185 Saybolt Universal Seconds

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Fire and Explosion Hazard Data

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Flash Point: >150° F
Flash Point Method: TCC
Lower Explosive Limit: 1.0
Upper Explosive Limit: 5.0
Autoignition Temperature: No data
Extinguishing Media: USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Special Fire Fighting Procedures: WEAR PPE AND NIOSH-APPROVED SCBA WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE AND APPROPRIATE TURN-OUT GEAR.
Unusual Fire And Explosion Hazards: VAPOR IS HEAVIER THAN AIR AND CAN ACCUMULATE IN LOW AREAS.

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Reactivity Data

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Stable: YES
Conditions To Avoid (Stability): HEAT, OPEN FLAMES, IGNITION SOURCES,
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomposition Products: CO, CO_2, VARIOUS HYDROCARBONS
Hazardous Polymerization Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL TO RESPIRATORY TRACT.

Route Of Entry - Skin/Eyes: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING, AND CRACKING OF SKIN.
MAY CAUSE MILD EYE IRRITATION. SYMPTOMS INCLUDE STINGING, TEARING, AND REDNESS.

Route Of Entry - Ingestion: SWALLOWING SMALL AMOUNTS OF MATERIAL IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

Carcinogenicity: NONE

Signs and Symptoms of Overexposure: STOMACH OR INTESTINAL UPSET, IRRITATION OF NOSE, THROAT, OR AIRWAYS, DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, OR UNCONSCIOUSNESS.

EMERGENCY/FIRST AID PROCEDURES
Inhalation: IMMEDIATELY MOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.

Skin: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDER CLOTHES BEFORE REUSE.

Eyes: MOVE INDIVIDUAL TO FRESH AIR. FLUSH EYES WITH WATER. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

Ingestion: SEEK MEDICAL ATTENTION. IF PERSON IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH. PLACE PERSON ON THEIR LEFT SIDE WITH THE HEAD DOWN. CONTACT PHYSICIAN OR POISON CONTROL CENTER FOR ADVICE ON WHETHER TO INDUCE VOMITING.

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Precautions for Safe Handling and Use

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Steps If Material is Released or Spilled: IF SPILL IS SMALL, ABSORB LIQUID WITH PROPER ABSORBENT. IF SPILL IS LARGE, ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT THE SOURCE. PREVENT SPILL FROM ENTERING THE ENVIRONMENT OR SPREADING. PUMP OR VACUUM PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE PRODUCT. NOTIFY PROPER AUTHORITIES IF SPILL REACHES THE ENVIRONMENT.

Waste Disposal Method: DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

Precautions-Handling/Storing: EMPTY CONTAINERS ARE HAZARDOUS AND CONTAIN
RESIDUE. OBSERVE HAZARD PRECAUTIONS. 5 GALLON PAILS OR LARGER CONTAINERS SHOULD BE GROUNDED/BONDED WHEN TRANSFERRED.

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Control Measures

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Respiratory Protection: NIOSH/MSHA AIR SUPPLIED RESPIRATORS ARE RECOMMENDED UNDER CONDITIONS WHERE EXPOSURES MAY BE HIGH OR PROLONGED. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation: MECHANICAL (GENERAL OR LOCAL EXHAUST) RECOMMENDED.

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: CHEMICAL SPLASH GOGGLES OR GLASSES.

Other Protective Equipment: IMPERVIOUS CLOTHES, BOOTS, ETC. EMERGENCY EYEWASH AND SHOWER SHOULD BE NEARBY.

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Label Data

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Label Required: YES-IF SHIPPED IN CONTAINER(S)
Common Name: SPECIFICATION USED OIL FUEL
DOT Proper Shipping Name: Combustible Liquid, n.o.s., Combustible Liquid, NA1993, PG III
Special Hazard Precautions: IRRITATING TO EYES AND SKIN; GI IRRITATION IF INGESTED; HARMFUL TO RESPIRATORY SYSTEM IF INHALED AT HIGH OR PROLONGED LEVELS.
Label Name: YOUR COMPANY
Label Street: YOUR ADDRESS
Label City: YOUR CITY
Label State: YOUR STATE
Label Zip Code: YOUR ZIP
Label Country: US
Label Emergency Number: YOUR PHONE

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Disclaimer

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The above information is, to the best of our knowledge, current, accurate, and complete based on information reasonably available to us as of the date of the preparation of this form. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantees, expressed or implied, are made by us as to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of this product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or regulations.