

Material Safety Data Sheet

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SECTION I - Material Identity

Item Name..... HYDRAULIC OIL
Part Number/Trade Name..... 01493 RANDO HDZ 32
National Stock Number..... 9150PHDZ32
CAGE Code..... 38431
Part Number Indicator..... A
MSDS Number..... 181412
HAZ Code..... B

SECTION II - Manufacturer's Information

Manufacturer Name..... TEXACO LUBRICANTS CO/TEXACO REFINING &
MARKETING
P.O. Box..... 4427
City..... HOUSTON
State..... TX
Country..... US
Zip Code..... 77210-4427
Emergency Phone..... 800-424-9300
Information Phone..... 914-831-3400

MSDS Preparer's Information

Date MSDS Prepared/Revised..... 02MAY96
Active Indicator..... N

Alternate Vendors

Vendor #1 CAGE..... 38431

SECTION III - Physical/Chemical Characteristics

Appearance/Odor..... BRIGHT CLEAR OIL; NEUTRAL-MILD ODOR
Boiling Point..... N/D
Melting Point..... N/D
Vapor Pressure..... N/D
Vapor Density..... N/D
Specific Gravity..... .86
Solubility in Water..... N/D
Percent Volatiles by Volume..... N/D
Chemical pH..... N/D
Container Pressure Code..... 4

Temperature Code..... 8
 Product State Code..... L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method..... COC
 Lower Explosion Limit..... N/D
 Upper Explosion Limit..... N/D
 Extinguishing Media..... N/D
 Special Fire Fighting Procedures..... WEAR FULL PROTECTIVE CLOTHING AND PP
 BREATHING APPARATUS.
 Unusual Fire/Explosion Hazards..... NONE

SECTION V - Reactivity Data

Stability..... YES
 Stability Conditions to Avoid..... NONE LISTED
 Materials to Avoid..... STRONG OXIDIZERS
 Hazardous Decomposition Products..... TOXIC LEVELS OF CO, CO2 AND IRRITATING
 ALDEHYDES & KETONES
 Hazardous Polymerization..... NO
 Polymerization Conditions to Avoid..... DOES NOT OCCUR

SECTION VI - Health Hazard Data

Route of Entry: Skin..... YES
 Route of Entry: Ingestion..... YES
 Route of Entry: Inhalation..... YES
 Health Hazards - Acute and Chronic..... MATERIAL FROM HIGH PRESSURE EQUIP.,
 PINHOLE LEAKS, OR HIGH PRESSURE LINE
 FAILURE CAN PENETRATE SKIN & IF NOT
 PROPERLY TREATED MAY CAUSE SEVERE INJURY,
 INCLUDING DISFIGUREMENT, LOSS OF FUNCTION,
 OF EVEN REQUIRE AMPUTATION OF AFFECTED
 AREA. IMMEDIATE ATTN SHOULD BE SOUGHT EVEN
 IF THE INFECTION INJURY APPEARS TO BE
 MINOR.
 Symptoms of Overexposure..... EYE: MINIMAL IRRITATION SKIN: SLIGHT
 IRRITATION. PROLONGED CONTACT, AS
 W/CLOTHING WETTED W/MATERIAL MAY CAUSE
 SEVERE IRRITATION INHALE: HEATED MATERIAL
 MAY CAUSE IRRITATION OF NOSE & THROAT,
 HEADACHE, NAUSEA & DROWSINESS. INGEST: IF
 MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED,
 ABDOMINAL DISCOMFORT, NAUSEA, DIARRHEA.
 Medical Cond. Aggravated by Exposure.... EXSISTING DERMATITIS
 Emergency/First Aid Procedures..... EYE: FLUSH W/WATER FOR SEVERAL MIN. GET
 MEDICAL ATTN IF IRRITATION PERSISTS. SKIN:
 WASH SKIN W/PLENTY OF SOAP & WATER FOR
 SEVERAL MIN. IF IRRITATION PERSISTS SEEK
 MEDICAL HELP. (SEE CHRONIC HEALTH HAZARDS
 FOR MORE INFO) INGEST: IF MORE THAN
 SEVERAL MOUTHFULS CONSUMED, GIVE TWO

GLASSES OF WATER (16 OZ) GET MEDICAL ATTN.
 INHALE: IF IRRITATION OCCURS REMOVE TO
 FRESH AIR.

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled..... VENTILATE AREA. AVOID BREATHING VAPOR.
 WEAR APPROPRIATE PERSONAL PROTECTIVE
 EQUIP. INCLUDING RESPIRATORY PROTECTION.
 WIPE UP OR ABSORB ON SUITABLE MATERIAL AND
 SHOVEL UP. PREVENT ENTRY INTO SEWERS &
 WATERWAYS. AVOID CONTACT W/SKIN, EYES OR
 CLOTHING.

Waste Disposal Method..... DISPOSE OF IN ACCORDANCE TO ALL FEDERAL,
 STATE AND LOCAL LAW.

Handling and Storage Precautions..... MIN. FEASIBLE HANDLING TEMP. SHOULD BE
 MAINTAINED. PERIODS OF EXPOSURE TO HIGH
 TEMP. SHOULD BE MINIMIZED. WATER
 CONTAMINATION SHOULD BE AVOIDED.

SECTION VIII - Control Measures

Respiratory Protection..... IF OCCUPATIONAL EXPOSURE LIMIT IS EXCEEDED
 USE NIOSH/MSHA APROVED AIR PURIFYING OR
 AIR SUPPLIED RESPIRATOR.

Ventilation..... ADEQUATE TO MEET COMPONENT OCCUPATIONAL
 EXPOSURE LIMITS

Protective Gloves..... NONE LISTED

Eye Protection..... SAFETY GLASSES, CHEMICAL TYPE GOGGLES

Work Hygenic Practices..... WORKERS SHOULD EXPOSED SKIN SEVERAL TIMES
 DAILY W/SOAP & WATER. SOILED WORK CLOTHING
 SHOULD BE LAUNDERED BEFORE REUSE.

Disposal Code..... O

SECTION IX - Label Data

Protect Eye..... YES

Protect Skin..... NO

Protect Respiratory..... YES

Chronic Indicator..... NO

Contact Code..... SLIGHT

Fire Code..... UNKNOWN

Health Code..... UNKNOWN

React Code..... UNKNOWN

SECTION X - Transportation Data

Container Quantity..... 55

Unit of Measure..... GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)..... 0
Volatile Organic Compounds (G/L)..... 0

SECTION XII - Ingredients/Identity Information

Ingredient #..... 01
Ingredient Name..... SOLVENT DEWAXED HEAVY PARAFFINIC
CAS Number..... 64742650
Proprietary..... NO
Percent..... 94.99
OSHA PEL..... 5 MG/M3
ACGIH TLV..... 10 MG/M3
Ingredient #..... 02
Ingredient Name..... HIGHER ALKYL METHACRYLATES COPOLYMER
CAS Number..... 103618899
Proprietary..... NO
Percent..... 9.99
Ingredient #..... 03
Ingredient Name..... SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM
DISTILLATES
CAS Number..... 64741895
Proprietary..... NO
Percent..... 2.99
OSHA PEL..... 5 MG/M3
ACGIH TLV..... 5 MG/M3

NOTICE: For additional information, contact BIOENVIRONMENTAL

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