

TEXACO INC. -- 07893 TDH OIL, TORQUE FLUID -- 9150-01-177-9438

===== Product Identification =====

Product ID:07893 TDH OIL, TORQUE FLUID

MSDS Date:07/15/1997

FSC:9150

NIIN:01-177-9438

MSDS Number: CFKGW

=== Responsible Party ===

Company Name:TEXACO INC.

Address:1111 RUSK

Box:52332

City:HOUSTON

State:TX

ZIP:77052

Country:US

Info Phone Num:800-782-7852(#4)/914-838-7204

Emergency Phone Num:914-831-3

400/800-424-9300(CHEMTREC)

Preparer's Name:MANAGER,PRODUCT SAFETY

CAGE:38431

=== Contractor Identification ===

Company Name:DIGITAL CONTROL SYSTEMS INC

Address:3160 GRAND MARAIS E

Box:City:WINDSOR, N8W 4W5

State:ON

Country:CN

Phone:NONE

CAGE:38431

Company Name:GREGG COUNTY OIL CO

Box:UNKNOW

CAGE:0T186

===== Composition/Information on Ingredients =====

Ingred Name:MINERAL OIL,HYDROTREATED(SEVERE),PETROLEUM DISTILLATE,HEAVY
PARAFFINIC, 50.00-64.99%.

CAS:64742-54-7

RTECS #:P

Y8035501

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

Ingred Name:SOLVENT REFINED, HYDROTREATED LIGHT PARAFFINIC DISTILLATE,
35.00-49.99%.

CAS:64742-55-8

RTECS #:PY8036500

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

Ingred Name:ZINC ALKYL DITHIOPHOSPHATE, 4.00-2.99%.

CAS:68649-42-3

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

Ingred Name:ADDITIVES, 1.00-2.99%.

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROTREATED LIGHT
NAPHTHENIC PETROLEUM DISTILLATES,
1.00-2.99%.

CAS:64742-53-6

RTECS #:PY8036000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:POLYMETHACRYLATE, 1.00-2.99%.

CAS:5086-75-5

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 ORAL (RAT) >5.00G/KG, NON-TOXIC.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Repor

ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:EYES:MAY CAUSE MIN
IRRIT,EXPERIENCED AS TEMP DISCOMFT.SKIN:BRIEF CONTACT MAY CAUSE
SLIGHT IRRIT.RPOL OCNTACT MAY CAUSE MORE SEVERE IRRIT,DISCOMFT,LOC
RED,SWELL.INHAL:VAP/MIST IN EXCESS OR PERM C ONC/HI CONC FRM
SPRAY/HEAT/POORLY VENTIAREA MAY CAUSE IRRIT
NOSE/THROAT,HEAD,NAU,DROWS.INGEST:>SEVERAL MOUTHFUL(SUPPLE)
Explanation of Carcinogenicity:PER MSDS:PROD &/OR COMPO(S)
CARCINOGENIC:NO
NE.

Effects of Overexposure:MATL FRM HI PRESSURE EQPMT/PINHOLE LEAK/HI
PRESSURE LINE FAILURE CAN PENETRATE SKIN,IF NOT PROPERLY TREATED
CAN CAUSE SEVERE INJURY INCLUDE DISFIGUREMENT,LOSS OF FUNCTION,EVEN
REQUIRE AMPUTATION OF AF FECTED AREAS.TO PREVENT SUCH SERIOUS
INJURY IMMED MED ATTN SHOULD BE SOUGHT EVEN IF INJECTION INJURY
APPEARS TO BE MINOR

Medical Cond Aggravated by Exposure:BECAUSE OF ITS IRRIT PROPERTIES
REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS
(SKIN
CONDITION).

===== First Aid Measures =====

First Aid:EYE:FLUSH W/PLENTY OF WATER FOR SEVERAL MINS.IRRIT PERSISTS
GET MED ATTN.SKIN:WASH W/PLENTY OF SOAP/WATER FOR SEVERAL MINS.IRIT
DEVELOPS/PERSIST GET MED ATTN.INGEST:>SEVERAL MOUTHFUL SWALLOW GIVE
2 GL ASSES OF WATER(16OZ).GET MED ATTN.INHAL:SYMPTOMS DEVELOP
REMOVE TO FRESH AIR.BREATH DIFF/RESP IRRIT PERSIST GET MED
ATTN.OTHER:HI PRESSURE INJECTION OF MATL NEEDS DEBRIDE OF WO
UND.

===== Fire Fighting Measures =====

Flash Point Method:COC
Flash Point:380F,193C
Autoignition Temp:Autoignition Temp Text:N/DETR
Lower Limits:N/DETERMINED
Upper Limits:N/DETERMINED
Extinguishing Media:USE WATESPRAY,DRY CHEM,FOAM,CO2 TO EXTINGUISH
FLAMES.USE WATERSPRAY TO COOL FIRE-EXPO CNTNR.WATER/FOAM MAY CAUSE
FROTHIN
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & POSITIVE
PRESSURE BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:

HYDROGEN SULFIDE (H₂S) MAY BE RELEASED IF
OVERHEATED.

===== Accidental Release Measures =====

Spill Release Procedures:VENTI AREA.AVOID BREATH VAP.WEAR APPROPRIATE
PPE INCLUDE APPROP RESP PROTECTION.CONTAIN SPILL IF POSSIBLE.WIPE
UP/ABSORB ON SUITABLE MATL & SHOVEL UP.PREVENT ENTRY INTO
SEWERS/WATERWAYS.AVOID CONTACT W/SKIN/EYE/CLOTH.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

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Handling and Storage Precautions:MIN FEASIBLE HNDLG TEMPS SHOULD BE
MAINTAINED.PER OF EXPO TO HI TEMP SHOULD BE MIN.WATER CONTAM SHOULD
BE AVOIDED.

Other Precautions:READ/UNDERSTAND MSDS BEF HNDLG/DISPO OF PRODUCT.
DISPO:TRANSFORM/PROCESS/MIXTURES/ETC MAY RENDER RESULTING MATLS
HAZ.SEC 313 TOXIC CHEM:ZINC ALKYL DITHIOSPHOTE 1.00-2.99%.PROD
REPORTED TO HAVE MODERAT E(>=30%)RATE OF BIODEGRADATION IN TEST

===== Exposure Controls/Personal Protection =====

Respiratory Protection:AIRBORNE CONC SHOULD BE KEPT TO LOWEST LEVELS
POSSIBLE.VAPMIST/DUST GENERATED/OCCUPATION EXPO LIMIT OF PROD/COMPO
EXCEEDED US APPROPRIATE NIOSH/MSHA APPROV AIR PURIFY OR AIR SUPPL
RES AFT DETERMIN CON TAM AIRBORNE CONC.AIR SUPP RESP(SUPPLE)

Ventilation:ADEQUATE TO MEET COMPO OCCUPATIONAL EXPO LIMITS.

Protective Gloves:SOIL WORK CLOTH SHOULD BE LAUNDER/DRYCLN

Eye Protection:SAF GLASSES,CHEM TYP GOGG,FCSHIELD

Other Protective Equipment:WORKERS SHOULD WASH EXPO S
KIN SEVERAL TMES

DAILY W/SOAP/WATER.

Work Hygienic Practices:REMOVE/DRYCLEAN(MORE EFFECTIVE)/LAUNDER
SOAK/SOIL CLOTH W/MATL BEF REUSE.INFORM CLEANING PERSON OF POT HAZ
ASSOC W/CLOTH

Supplemental Safety and Health

HEALTH:INGEST ABD DISCOMFT,NAU,DIARR.CHRONIC:NO ADVERSE EFFECTS HAVE
BEEN DOCUMENTED IN HUMANS.H₂S MAY BE RELEASED WHEN OVERHEAT-IRRIT
EYE/RESP TRACT,HEAD,DIZZ,NAU,VOMIT,DIARR,PULM EDEMA,RESP PARALYSI
S,UNCONSC,DEATH. VENTI:SHOULD BE WORN WHEN AIRBORNE CONC OF CO

NTAM
OR OXY UNK.

===== Physical/Chemical Properties =====

HCC:V6
Boiling Pt:B.P. Text:N/DETERMINE
Melt/Freeze Pt:M.P/F.P Text:NA
Decomp Temp:Decomp Text:NP
Vapor Pres:N/DETERMIN
Vapor Density:N/DETERMIN
Spec Gravity:0.8927
pH:NA
Viscosity:9.1CST @100C
Evaporation Rate & Reference:NP
Solubility in Water:N/DETERMINED
Appearance and Odor:DARK RED LIQUID, PETROLEUM OIL ODOR
Percent Volatiles by Volume:NP
Corrosion Rate:NP

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS
Stability Condition to Avoid:UNDER EXTREME TEMSP OR EXTENDED STORAGE
PERS HYDROGEN SULFIDE(H₂S)GAS MAY ACCUMULATE IN HEAD-SPACE OF
CNTNR.
Hazardous Decomposition Products:TOX LEVELS OF CO,CO₂,IRRIT
ALDEHYDES,KETONE,COMBUST PRODUCT/CMPDS OF ZN,PHOSPHORUS,SULFUR(MAY
INCLUDE HYDROGEN SULFIDE).

===== Disposal Considerations =====

Waste Disposal Methods:PROD HAS BEEN EVALUATED FOR RCRA
CHARACTERI,DOESNT MEET CRITERIA OF HAZ WASTE IF DISCARDED IN ITS
PURCHASED FORM.UNDER RCRA USER PROD RESPONSIBILITY TO DETERMINE
@DISPO TIME WHETHER PROD MEETS RCRA CR ITERIA FOR HAZ WASTE BECAUSE
USED/(OTHER PRECAUT)

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