Unocal Refining & Marketing Division Unocal Corporation 2175 North California Avd., Suite 650 Walnut Creek, California 94596 Telephone (415) 945-7676



90 APR 26 PH 12: 19

April 24, 1990

Northern California Division

Alameda County Health Care Services Agency Department of Environmental Health Hazardous Materials Program 80 Swan Way, Room 200 Oakland, California 94621 Attention: Pam Evans

Former Unocal Station No. 5847 2701 East Avenue Hayward, California 94941

Dear Ms. Evans:

This letter is in response to your letter to Unocal dated April 2, 1990, concerning the above mentioned station. In particular, your department is interested in any information concerning underground storage tank status at this facility. I responded to your questions in the order that they were given.

- The service station was demolished in September of 1985, at which time two 10,000 gallon underground storage tanks containing regular unleaded and super unleaded gasoline respectively, and one 280 gallon waste oil tank were removed.
- 2. There are no specific records concerning the disposal of the underground storage tanks. However, it was Unocal's practice at that time to contract with H & H Ship Service Company to dispose of used underground storage tanks. H & H would transport the tanks to their facility in San Francisco at which time the tanks would be cleaned and rendered inoperable before being transported to a recycler in Richmond, California. There also are no records of what was done with soil excavated from the tank pit. However, it was Unocal's practice to stockpile soil from the tank pit on site for aeration prior to disposal at a Class III landfill. Soil cuttings generated from the borings installed at the site after the demolition (see attached Applied GeoSystems report dated November 19, 1986) indicate that some cuttings were backfilled into the boring while others were spread out on site.

Alameda County Health Care Agency April 24, 1990 Page two

> There were no indications of any leaks, cracks or holes in the underground storage tanks. The investigation subsequent to the demolition involved installing four borings and two monitoring wells on site (please refer to the attached report. The wells were monitored over four quarters for TPH as gasoline and BTEX. Results of these sampling events indicated low levels of dissolved hydrocarbon constituents present in the groundwater at this site. The final sampling round conducted in October 1987 showed nondetectable for all constituents. Since the groundwater in this vicinity is not used for drinking water purposes and because nondetectable levels of dissolved hydrocarbons and hydrocarbon constituents were detected in the last sampling event, our consultant recommended that no further work was need at the site at this time. Unocal subsequently requested closure of this site in a letter to the California Regional Water Quality Control Board dated December 7, 1987 (please refer to attached letter).

Currently Unocal is assessing the previous work done at this site and determining if further actions are necessary prior to transferring or selling the property. In the event that further environmental work is warranted, Unocal will submit a work plan to the Alameda County Health Agency prior to initiating any drilling or sampling activities.

I hope trust this information answers your questions. If any additional information is required please feel free to call the undersigned at (415) 277-2303.

Sincerely,

Renald EBock

Ronald E. Bock Environmental Engineer Unocal Corporation

REB/cmd

cc: R. L. Folda

J. E. Mason

Certified Mail #

September 25, 1989

Union Oil Service Station # 5847 2701 East Ave. Hayward, CA 94541 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

RE:2701 East Ave.

Dear owner/operator:

Our records indicate that there are underground tank(s) at your site at the above facility.

In accordance with the California Administrative Code, Title 23, Chapter 3, Subchapter 16 Underground Tank Regulations you must perform one of the following actions:

- Submit a tank closure plan to this Department as required by Article 7, 2670, or
- 2. Apply for a permit as required by Article 10, 2710.

Notify this Department within 10 days of your intentions and to obtain the necessary instructions and forms.

Please note that section 25299 of the California Health and Safety Code states that any operator or owner of an undergound storage tank is liable for a civil penalty of not less than five hundred dollars or more than five thousand dollars per day for failure to obtain a permit, or failing to properly close an undergound storage tank, as required by section 25298.

If you have any questions concerning this matter, please contact Tom Peacock, Senior Hazardous Material Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief,

RRA.SJ

Hazardous Materials Program

RAS: mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and Environmental Protection Agency Lisa McCann, RWQCB



APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

*	05 RENEWED PERMIT 06 AMENDED PERMIT		07 TANK 08 MINOR		(NO St		DELETI	E FRON	FILE (NO FEE)
I OWNER				·					
NAME(CORPORATION, INDIVIDUAL OR PUB UNION CIL CO.	LIC AGENCY)					PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 1 CALIFORNIA ST., SUITE 2700 CITY SAN FRANCISCO CA 94111									
II FACILITY									
FACILITY NAME UNION OIL SS# 5847 DEALER/FOREMAN/SUPERVISOR ROBERT N. SCHMITZ									
STREET ADDRESS NEAREST CROSS STREET 2701 EAST AVE. WINDFELDT RD.									
CITY HAYWARD			COUNTY	L				ZIP 94541	
MAILING ADDRESS 2701 EAST AVE.			LTY LYHARD				STATI		р 541
PHONE W/AREA CODE 415-581-0958	TYPE OF BUSING (X) 01 GASOL) 02 OT	HER				
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	TOWNS	SHIP		RANGE		SECT	ION	
III 24 HOUR EMERGENCY C	ONTACT PERSON	l					- · · · -		
DAYS: NAME(LAST NAME FIRST) AND PH JAURIGUI, L.J. 415-956-			NIGHTS:		AST NAI	ME FIRST) AND 415-561-		W/AREA	CODE
COMPLETE THE FO	LLOWING ON A	SEP	ARATE I	FORM	FOR E	EACH CONTA	INE	R	
A. () 01 TANK (X) 04 OTHER: SU	1P				CONTA	INER NUMBER 58	47-10	-1	
B. MANUFACTURER (IF APPROPRIATE):			· •	EAR MFG	:	C. YEAR INST	ALLED	_	(X) UNKNOHN
D. CONTAINER CAPACITY: 6	GALLONS (X) UNKNOWN	E. 1	DOES THE C	CONTAINE	R STOR	E: (X) 01 HAST	E () 02 PR	RODUCT
F. DOES THE CONTAINER STORE HOTOR () 01 UNLEADED () 02 REGULAR	VEHICLE FUEL OR WAS	TE 011	L ? () 01 Diesel (L YES (X) 02 IASTE O	NO IF YES CH IL () 06 OTH	ECK A ER	PPROPRI	(ATE BOX(ES):
V CONTAINER CONSTRUCT	ION				<u></u>				
A. THICKNESS OF PRIMARY CONTAINMEN	गः ६ ()	GAUGI	E (X) INC	CHES () CM	() UNKNOWN		·	
B. () 01 VAULTED (LOCATED IN AN L	INDERGROUND VAULT)	(X) 0:	2 NON-VAUI	LTED () 03 U	NKNOWN			·
C. () 01 DOUBLE WALLED (X) 02 S	INGLE WALLED () 03	LINE)		<u> </u>				
D. () 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE () 12 UNKNOHN () 13 OTHER:	AINLESS STEEL () O EL CLAD () OS BRON	3 FIB	ERGLASS (OSITE	OLYVIN	YL CHLORIDE (NON-METALLIC	X) 05	CONCRE	ETE



CONTAINER CONSTRUCTION

(X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:
F. () 01 POLYETHLENE MRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:
VI PIPING
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE
VII LEAK DETECTION
(X) 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION
CURRENTLY PREVIOUSLY DELETE GAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED
(X) 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
()01 ()02 ()03
()01 ()02 ()03
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.
PERSON FILING (SIGNATURE) PHONE W/AREA CODE
FERSON FACING VARIATIONE /
FOR LOCAL AGENCY USE ONLY
ADMINISTRATING AGENCY CITY CODE COUNTY CODE
CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #
<u> </u>

PRINTED 10:49 12-16-1992 JUR 003



CITY OF HAYWARD #01 M.F.R. MASTER FILES INFORMATION LISTING BY PROGRAM # + SITE ADDRESS



Status Agency Program Comp/No Element Ref-Date Township Α 001 FIRE DEPARTMENT 23 UNDERGROUND TANKS 30756 99 OTHER TYPE TANK 07-01-85 Range Section 1ST-Sic 2ND-Sic Business Description Sup.Dist. Census Tr GAS STATION 101 SUP. DIST. #101 Location Parcel No. 99 CITY OF HAYWARD Site-Facility Name/Care-of Name Type No. Fra Dir Street Desg Suite City St Zip 27 M EAST UNION OIL SS #5847 9 UNKNOWN CA 94541 HAYWARD Area Phone Ext. Cross-Street Site/Facility Manager Name 415-581-0958 WIND FELDT RD ROBERT W. SCHMITZ Property Owner Name/Care-of No. Fra Dir Street Name Type Desg Suite City St Zip 9 UNKNOWN UNION OIL CO. 1 CALIFORNIA ST 2700 SAN FRANCISCO CA 94111 Legal Notif. & Billing/Care-of Name Type No. Fra Dir Street Desg Suite City St Zip UNION OIL SS #5847 CA 94541 9 UNKNOWN 2701 AVE EAST HAYWARD Emergency Day/Night Primary Area Phone Ext. Emergency Day/Night Second. Area Phone Ext. JAURIGUI, L.J. 415-956-2600 UNION OIL CO. 415-561-9322 Document # Comment E.P.A. ID.# State ID.# Local ID.# Tanks-at-Site Tanks-in-D.B. Plan-Filed Business Type Indian-Land 00030756 6 6 Tank Owner Name/Care-of No. Fra Dir Street Name Type Desg Suite City St Zip UNION OIL SS #5847 9 UNKNOWN 2701 EAST AVE HAYWARD CA 94541 Area Phone Ext. BOE-Acct# Financial-Responsibility 44 000051 99 UNKNOWN Status Tank-ID.# Ref-Date Owner-ID.# Date-Inst. Capacity U.O.M. Tank-Use Manufactured By 23 - 30756 1 07-01-85 5847-1-1 NOT SUPPLIED 01-01-67 10000 G GAL. 01 M.V. FUEL Storage-Type Vehicle-Fuel System-type Tank-Material Interior-Lining Methanol-Comp. Corrosion-Protection 1 PRODUCT 1A REG UNLEADED 02 SINGLE WALL 01 BARE STEEL 95 UNKNOWN N 91 NONE A.G.-Sys.-Type A.G.-Pipe-Const. A.G.-Pipe-Mat. U.G.-Sys.-Type U.G.-Pipe-Const. U.G.-Pipe-Mat. Piping-Leak-Det. 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker Reported Well-ID.# G.W.-Depth State-ID.# Local-ID.# 02 INV. RECONCIL. 95 UNKNOWN 001 Document # Comment Last-Insp. WRCB _____ From-Date Thru-Date Code Contents-Name Local ID.# Chem.-Form Hazard-Deg. 23- 30756-07-01-85 001 REGULAR UNLEADED GASOLINE L LIQUID 05 D.O.T.# E.P.A.-ID.# Chemtox # Chemical Name C.A.S.# Percent 23- 30756-1/07-01-85 8006-61-9 UN1203 001370 GASOLINE 100.00 Status Tank-ID.# Ref-Date Owner-ID.# Date-Inst. Capacity U.O.M. Tank-Use Manufactured By 23 - 30756 NOT SUPPLIED Α 2 07-01-85 5847-2-1 01-01-67 10000 G GAL. 01 M.V. FUEL System-type Tank-Material Storage-Type Vehicle-Fuel Interior-Lining Methanol-Comp. Corrosion-Protection 1A REG UNLEADED 02 SINGLE WALL 01 BARE STEEL 1 PRODUCT 95 UNKNOWN Q1 NONE N A.G.-Sys.-Type A.G.-Pipe-Const. A.G.-Pipe-Mat. U.G.-Sys.-Type U.G.-Pipe-Const. U.G.-Pipe-Mat. Piping-Leak-Det. 95 LINKNOWN 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE 95 UNKNOWN Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker Reported Well-ID.# G.W.-Depth State-ID.# Local-ID.# 02 INV. RECONCIL. 95 UNKNOWN 002 Document # Comment Last-Insp.

WRCR

2 WASTE

CITY OF HAYWARD #01 M.F.R. MASTER FILES INFORMATION LISTING

BY PROGRAM # + SITE ADDRESS

C.A.S.# D.O.T.# E.P.AID.# Chemtox # Chemical Name	Percent 23- 30756- 2/07-01-8
8006-61-9 UN1203 001370 GASOLINE	100.00
Status Tank-ID.# Ref-Date Owner-ID.# Manufactured By	Date-Inst. Capacity U.O.M. Tank-Use 23- 3075
A 3 07-01-85 5847-4-1 NOT SUPPLIED	01-01-01 280 G GAL. 04 OIL
Storage-Type Vehicle-Fuel System-type Tank-Material 2 WASTE 02 SINGLE WALL 01 BARE STEEL	- · · · · · · · · · · · · · · · · · · ·
A.GSysType A.GPipe-Const. A.GPipe-Mat. U.GSysType 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 03 GRAVITY	
Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 003
Document # Comment Last-Insp. WRCB	
From-Date Thru-Date Code Contents-Name 07-01-85 008 WASTE OIL	Local ID.# ChemForm Hazard-Deg. 23- 30756- L LIQUID 05
C.A.S.# D.O.T.# E.P.AID.# Chemtox # Chemical Name	Percent 23- 30756- 3/07-01-8
WASTE OIL	100.00
Status Tank-ID.# Ref-Date Owner-ID.# Manufactured By	Date-Inst. Capacity U.O.M. Tank-Use 23- 3075
A 4 07-01-85 5847-1-1 NOT SUPPLIED	01-01-67 10000 G GAL. 01 M.V. FUEL
Storage-Type Vehicle-Fuel System-type Tank-Material	·
1 PRODUCT 1A REG UNLEADED 02 SINGLE WALL 01 BARE STEEL A.GSysType A.GPipe-Const. A.GPipe-Mat. U.GSysType	95 UNKNOWN N 91 NONE
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE	95 UNKNOWN 95 UNKNOWN 95 UNKNOWN
Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker	
02 INV. RECONCIL. 95 UNKNOWN	004
Document # Comment Last-Insp. WRCB	
From-Date Thru-Date Code Contents-Name	Local ID.# ChemForm Hazard-Deg. 23- 30756-
07-01-85 001 REGULAR UNLEADED GASOLINE	U LIQUID 05
C.A.S.# D.O.T.# E.P.AID.# Chemtox # Chemical Name 8006-61-9 UN1203 001370 GASOLINE	Percent 23- 30756- 4/07-01-8 100.00
Status Tank-ID.# Ref-Date Owner-ID.# Manufactured By	Date-Inst. Capacity U.O.M. Tank-Use 23- 3075
A 5 07-01-85 5847-2-1 NOT SUPPLIED	01-01-67 10000 G GAL. 01 M.V. FUEL
Storage-Type Vehicle-Fuel System-type Tank-Material	
1 PRODUCT 1A REG UNLEADED 02 SINGLE WALL 01 BARE STEEL	
A.GSysType A.GPipe-Const. A.GPipe-Mat. U.GSysType	U.GPipe-Const. U.GPipe-Mat. Piping-Leak-Det.
	95 UNKNOWN 95 UNKNOWN 95 UNKNOWN
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker	
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment WRCB	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005 Local ID.# ChemForm Hazard-Deg. 23- 30756-
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name 07-01-85 001 REGULAR UNLEADED GASOLINE	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005 Local ID.# ChemForm Hazard-Deg. 23- 30756- L LIQUID 05
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name 07-01-85 001 REGULAR UNLEADED GASOLINE C.A.S.# D.O.T.# E.P.A1D.# Chemtox # Chemical Name 8006-61-9 UN1203 001370 GASOLINE	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005 Local ID.# ChemForm Hazard-Deg. 23- 30756- L LIQUID 05 Percent 23- 30756- 5/07-01-8
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name 07-01-85 001 REGULAR UNLEADED GASOLINE C.A.S.# D.O.T.# E.P.AID.# Chemtox # Chemical Name 8006-61-9 UN1203 001370 GASOLINE Status Tank-ID.# Ref-Date Owner-ID.# Manufactured By	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005 Local ID.# ChemForm Hazard-Deg. 23- 30756- L LIQUID 05 Percent 23- 30756- 5/07-01-8
95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 02 PRESSURE Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name 07-01-85 001 REGULAR UNLEADED GASOLINE C.A.S.# D.O.T.# E.P.AID.# Chemtox # Chemical Name 8006-61-9 UN1203 001370 GASOLINE	Reported Well-ID.# G.WDepth State-ID.# Local-ID.# 005 Local ID.# ChemForm Hazard-Deg. 23- 30756- L LIQUID 05 Percent 23- 30756- 5/07-01-8 100.00 Date-Inst. Capacity U.O.M. Tank-Use 23- 3075 01-01-01 280 G GAL. 04 01L

02 SINGLE WALL 01 BARE STEEL

95 UNKNOWN

91 NONE

PRINTED 10:50 12-16-1992 JUR 003

CITY OF HAYWARD #01 M.F.R. MASTER FILES INFORMATION LISTING BY DROCDAM # + SITE ADDRESS

PAGE NO. 32

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JUR 003 BY PROGRAM # + SITE ADDRESS

A.G.-Sys.-Type A.G.-Pipe-Const. A.G.-Pipe-Mat. U.G.-Sys.-Type U.G.-Pipe-Const. U.G.-Pipe-Mat. Piping-Leak-Det. 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN 03 GRAVITY 95 UNKNOWN 95 UNKNOWN 95 UNKNOWN Spill-Cont Overfill-Pr Primary-Leak-Det. Secondary-Leak-Det. Leaker Reported Well-ID.# G.W.-Depth State-ID.# Local-ID.# 02 INV. RECONCIL. 95 UNKNOWN Document # Comment Last-Insp. WRCB From-Date Thru-Date Code Contents-Name Local ID.# Chem.-Form Hazard-Deg. 23- 30756- 6 07-01-85 008 WASTE OIL L LIQUID 05 C.A.S.# D.O.T.# E.P.A.-ID.# Chemtox # Chemical Name Percent 23- 30756- 6/07-01-85

WASTE OIL

UNOCAL®

Product Name: UNOCAL UNAX AW 32

PRODUCT CODE NO: 04641

ISSUE DATE: 7/16/85

PAGE 1 OF 4

MANUFACTURER:

UNOCAL REFINING & MARKETING DIVISION UNION OIL COMPANY OF CALIFORNIA 1201 W. 5TH STREET LOS ANGELES, CALIFORNIA 90017

CONTACT FOR FURTHER INFORMATION: MSDS COORDINATOR (213) 977-7589

Transportation Emergencies: Call CHEMTREC (800) 424-9300 Cont. U.S. (202) 483-7616 (Collect) from Alaska & Hawaii Health Emergencies: CALL LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

PRODUCT IDENTIFICATION

PRODUCT NAME:

UNOCAL UNAX AW 32

SYNONYMS:

UNION UNAX AW 32

GENERIC NAME:

INDUSTRIAL OILS CONSCIONANT

CHEMICAL FAMILY: PETROLEUM HYDROCARBON

DOT PROPER

SHIPPING NAME:

NOT APPLICABLE

ID NUMBER:

NONE

SECTION I - INGREDIENTS

TLY UNITS AGENCY

OIL MIST, IF GENERATED

5.00 MG/M3 OSHA

FULL TERM TWA

THE IDENTITIES OF INGREDIENTS THAT ARE TRADE SECRETS ARE EXCLUDED FROM THIS LIST.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY

Have physician call LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

EYE CONTACT:

FOR DIRECT CONTACT, FLUSH THE AFFECTED EYE(S) WITH CLEAN WATER. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

DO NOT USE GASOLINES, THINNERS OR SOLVENTS TO REMOVE PRODUCT FROM SKIN. WIPE MATERIAL FROM SKIN AND REMOVE CONTAMINATED CLOTHING. CLEANSE AFFECTED AREA(S) THOROUGHLY BY HASHING WITH SOAP AND WATER AND, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION (BREATHING):

IF IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING OR IF BREATHING DIFFICULTIES DEVELOP, ARTIFICIAL RESPIRATION OR OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION (SWALLOWING):

IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2 TO 3 CUPS OF MILK OR WATER TO DRINK. SEEK MEDICAL ATTENTION. TO PHYSICIAN: EMESIS OR LAVAGE IS NOT RECOMMENDED FOR INGESTIONS OF MINUTE QUANTITIES OR TASTES OF MOST HYDROCARBONS. MEDICAL OPINION IS DIVIDED FOR LARGER INGESTIONS. EMESIS OR LAYAGE HAS BEEN RECOMMENDED FOR THOSE PETROLEUM PRODUCTS WHICH HAYE A HIGH ORAL TOXICITY. GASTRIC LAYAGE WITH A CUFFED ENDOTRACHEAL TUBE IS RECOMMENDED BY SOME PHYSICIANS TO PREVENT ASPIRATION.



00257 PAGE 2 OF 4

SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS

EYE CONTACT:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE BURNING, TEARING AND REDNESS.

SKIN CONTACT:

THIS MATERIAL MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DERMATITIS.

INHALATION (BREATHING):

EXPOSURE TO MISTS, OR PROLONGED OR REPEATED EXPOSURE TO FUMES OR VAPORS THAT MAY BE GENERATED WHEN THIS MATERIAL IS HEATED, MAY CAUSE IRRITATION OF NOSE AND THROAT.

INGESTION (SHALLOHING):

ACCIDENTAL INGESTION OF THIS MATERIAL MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

SECTION IY - SPECIAL PROTECTION INFORMATION

YENTILATION:

IF CURRENT YENTILATION PRACTICES ARE NOT ADEQUATE IN MAINTAINING AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL YENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF AIRBORNE CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LIMITS, A SUITABLE FILTER-TYPE RESPIRATOR SHOULD BE WORN. (SEE SECTION I.)

PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES AND SKIN. BARRIER CREAMS THAT ARE SPECIFIC FOR OIL-BASED MATERIALS ARE RECOMMENDED WHEN GLOVES ARE IMPRACTICAL.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID CONTACT WITH ANY SOURCE OF IGNITION.

INCOMPATIBILITY (MATERIALS TO AVOID):

AYOID CONTACT WITH STRONG OXIDIZING AGENTS. EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.



00257 PAGE 3 OF 4

SECTION Y - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD MAJOR AMOUNTS OF OXIDES OF CARBON AND MINOR AMOUNTS OF OXIDES OF SULFUR AND NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI - SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS
Call CHEMTREC (800) 424-9300 Cont. U.S.
(Collect) (202) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COLLECT LEAKING LIQUID IN SEALABLE CONTAINERS. ABSORB SPILLED LIQUID IN SAND OR INERT ABSORBANT. CONTACT FIRE AUTHORITIES AND APPROPRIATE STATE/LOCAL AGENCIES. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON U.S. NAVIGABLE WATERS, THE CONTIGUOUS ZONE, OR ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (PHONE NUMBER 800-424-8802).

WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY LOCATION. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION V). AVOID GENERATING OIL MISTS WHILE HANDLING. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR OIL-SOAKED CLOTHING OR SHOES.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING

NFPA HEALTH HAZARD: 0
HAZARD FLAMMABILITY: 1
CLASS REACTIVITY: 0
OTHER:

D = LEAST
1 = SLIGHT
2 = MODERATE
3 = HIGH

CLASSIFICATION

FLASH POINT

3 = HIGH 4 = EXTREME NOT REGULATED

410, COC F 210 C

EXTINGUISHING MEDIA:

EXTINGUISH WITH DRY CHEMICAL, CO2, WATER SPRAY, FOAM, SAND OR EARTH. WATER AND FOAM MAY CAUSE FROTHING.

FIRE & EXPLOSION HAZARDS:

THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY.

FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AYOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. MOVE UNDAMAGED CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

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00257 PAGE 4 OF 4

SECTION IX - PHYSICAL DATA

APPROX. BOILING RANGE

VAPOR DENSITY

EVAPORATION RATE

% YOLATILE

ABOYE 600 F (316) C

HEAYIER THAN AIR

SLOWER THAN ETHER

NEGLIGIBLE

% SOLUBILITY IN WATER

SPECIFIC GRAVITY

APPEARANCE

ODOR

NEGLIGIBLE

0.88 - 0.89

CLEAR, YELLOW

CHARACTERISTIC

SECTION XI - DOCUMENTARY INFORMATION

ISSUE DATE: 7/16/85

PREV. DATE: 7/25/84

PRODUCT CODE NO. 04641

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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HOWEYER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

UNOCAL®

Product Name: UNOCAL GUARDOL MOTOR DIL 30

PRODUCT CODE NO: 03650XX30 ISSUE DATE: 6/5/85

PAGE 1 OF 4

MANUFACTURER:

UNOCAL REFINING & MARKETING DIVISION UNION OIL COMPANY OF CALIFORNIA 1201 W. 5TH STREET LOS ANGELES, CALIFORNIA 80017

CONTACT FOR FURTHER INFORMATION: MSDS COORDINATOR (213) 977-7589

Transportation Emergencies: Call CHEMTREC (800) 424-9300 Cont. U.S. (202) 483-7616 (Collect) from Alaska & Hawaii Health Emergencies: CALL LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

PRODUCT IDENTIFICATION

PRODUCT NAME:

UNOCAL GUARDOL MOTOR OIL 30

SYNONYMS:

UNION GUARDOL MOTOR OIL 30

GENERIC NAME:

CRANKCASE OIL

CHEMICAL FAMILY: PETROLEUM HYDROCARBON

DOT PROPER

SHIPPING NAME:

NOT APPLICABLE

ID NUMBER:

Ì

NONE

SECTION I - INGREDIENTS

TLY UNITS AGENCY TYPE

OIL MIST, IF GENERATED

5.00 MG/M3 OSHA

FULL TERM TWA

THE IDENTITIES OF INGREDIENTS THAT ARE TRADE SECRETS ARE EXCLUDED FROM THIS LIST.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

FMFRGFNCV

Have physician call LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

EYE CONTACT:

FOR DIRECT CONTACT, FLUSH THE AFFECTED EYE(S) WITH CLEAN WATER. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

DO NOT USE GASOLINES, THINNERS OR SOLVENTS TO REMOVE PRODUCT FROM SKIN. WIPE MATERIAL FROM SKIN AND REMOVE CONTAMINATED CLOTHING. CLEANSE AFFECTED AREA(S) THOROUGHLY BY WASHING WITH SOAP AND WATER AND, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION (BREATHING):

IF IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING OR IF BREATHING DIFFICULTIES DEVELOP, ARTIFICIAL RESPIRATION OR OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION (SWALLOWING):

IF YICTIM IS CONSCIOUS AND ALERT, GIVE 2 TO 3 CUPS OF MILK OR WATER TO DRINK, SEEK MEDICAL ATTENTION. TO PHYSICIAN: EMESIS OR LAVAGE IS NOT RECOMMENDED FOR INGESTIONS OF MINUTE QUANTITIES OR TASTES OF MOST HYDROCARBONS. MEDICAL OPINION IS DIVIDED FOR LARGER INGESTIONS. EMESIS OR LAYAGE HAS BEEN RECOMMENDED FOR THOSE PETROLEUM PRODUCTS WHICH HAVE A HIGH ORAL TOXICITY. GASTRIC LAYAGE WITH A CUFFED ENDOTRACHEAL TUBE IS RECOMMENDED BY SOME PHYSICIANS TO PREVENT ASPIRATION.

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00256 PAGE 2 OF 4

SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS

EYE CONTACT:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE BURNING, TEARING AND REDNESS.

SKIN CONTACT:

THIS MATERIAL MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DERMATITIS.

INHALATION (BREATHING):

EXPOSURE TO MISTS, OR PROLONGED OR REPEATED EXPOSURE TO FUMES OR VAPORS THAT MAY BE GENERATED WHEN THIS MATERIAL IS HEATED, MAY CAUSE IRRITATION OF NOSE AND THROAT.

INGESTION (SHALLOWING):

ACCIDENTAL INGESTION OF THIS MATERIAL MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

COMMENTS:

USED MOTOR OIL: FOLLOWING REPEATED SKIN APPLICATIONS, ANIMAL STUDIES HAVE SHOWN THAT USED MOTOR/CRANKCASE OILS HAVE CAUSED AN INCREASED INCIDENCE OF SKIN CANCER IN MICE. IT IS THEREFORE RECOMMENDED THAT PROLONGED OR REPEATED CONTACT WITH MOTOR/CRANKCASE OILS BE AVOIDED.

SECTION IV - SPECIAL PROTECTION INFORMATION

YENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE IN MAINTAINING AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF AIRBORNE CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LIMITS, A SUITABLE FILTER-TYPE RESPIRATOR SHOULD BE WORN. (SEE SECTION I.)

PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES AND SKIN. BARRIER CREAMS THAT ARE SPECIFIC FOR OIL-BASED MATERIALS ARE RECOMMENDED WHEN GLOVES ARE IMPRACTICAL.

SECTION Y - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AYOID):

AYOID CONTACT HITH STRONG OXIDIZING AGENTS. EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

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OD256 PAGE 3 OF 4

SECTION V - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD MAJOR AMOUNTS OF OXIDES OF CARBON AND MINOR AMOUNTS OF OXIDES OF NITROGEN, PHOSPHORUS, SULFUR AND ZINC.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI - SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS
Call CHEMTREC (8DD) 424-9300 Cont. U.S.
(Collect) (2D2) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COLLECT LEAKING LIQUID IN SEALABLE CONTAINERS. ABSORB SPILLED LIQUID IN SAND OR INERT ABSORBANT. CONTACT FIRE AUTHORITIES AND APPROPRIATE STATE/LOCAL AGENCIES. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON U.S. NAYIGABLE WATERS, THE CONTIGUOUS ZONE, OR ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (PHONE NUMBER 800-424-8802).

WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY LOCATION. KEEP AHAY FROM INCOMPATIBLE MATERIALS (SEE SECTION V). AVOID GENERATING OIL MISTS WHILE HANDLING. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. FOR USED MOTOR OIL: LAUNDER SATURATED CLOTHING BEFORE WEARING AND DISCARD OIL-SOAKED SHOES AND UNWASHABLE CLOTHING.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING

NFPA Hazard

CLASS

HEALTH HAZARD: 0
FLAMMABILITY: 1

REACTIVITY: 0
OTHER:

0 = LEAST
1 = SLIGHT
2 = MODERATE

T CLASSIFICATION ATE

FLASH POINT

3 = HIGH 4 = EXTREME

NOT REGULATED

372, COC F 206 C

EXTINGUISHING MEDIA:

EXTINGUISH WITH DRY CHEMICAL, CO2, WATER SPRAY, FOAM, SAND OR EARTH. WATER AND FOAM MAY CAUSE FROTHING.

FIRE & EXPLOSION HAZARDS:

THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY.

FIRE FIGHTING PROCEDURES:

MATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AYOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. MOYE UNDAMAGED CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

00256 PAGE 4 OF 4

SECTION IX - PHYSICAL DATA

APPROX. BOILING RANGE

YAPOR DENSITY

EYAPORATION RATE

% YOLATILE

ABOYE 600 F (316) C

HEAVIER THAN AIR

SLOWER THAN ETHER

NEGLIGIBLE

% SOLUBILITY IN WATER

SPECIFIC GRAVITY

APPEARANCE

NEGLIGIBLE

0.89 - 0.91

CLEAR, BROWN LIQUID

ODOR

CHARACTERISTIC

SECTION X - PRECAUTIONARY LABEL

CAUTION! USED MOTOR OIL IS A POSSIBLE SKIN CANCER HAZARD BASED ON TESTS WITH LABORATORY ANIMALS. AVOID PROLONGED OR REPEATED SKIN CONTACT. AYOID MAKING OR BREATHING OIL MIST. USE ADEQUATE VENTILATION. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

SECTION XI - DOCUMENTARY INFORMATION

ISSUE DATE: 6/ 5/85 PREY. DATE: 7/25/84

PRODUCT CODE NO. 03650XX30

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- #

UNOCAL®

Product Name: UNOCAL MULTIPURPOSE ATF DEXRON (R) II

PRODUCT CODE NO: 03950 ISSUE DATE: 5/ 1/86

86 PAGE 1 OF 4

MANUFACTURER:

UNOCAL REFINING & MARKETING DIVISION UNION OIL COMPANY OF CALIFORNIA 1201 W. 5TH STREET LOS ANGELES, CALIFORNIA 90017

CONTACT FOR FURTHER INFORMATION: MSDS COORDINATOR (213) 977-7589

Transportation Emergencies:
 Call CHEMTREC
 (800) 424-9300 Cont. U.S.
 (202) 483-7616 (Collect)
 from Alaska & Hawaii
Health Emergencies:
CALL LOS ANGELES POISON
INFORMATION CENTER (24 hrs.)
(213) 664-2121

PRODUCT IDENTIFICATION

PRODUCT NAME:

UNOCAL MULTIPURPOSE ATF DEXRON (R) II

SYNONYMS:

UNION MULTIPURPOSE ATF DEXRON (R) II

GENERIC NAME:

TRANSMISSION OILS

CHEMICAL FAMILY: PETROLEUM HYDROCARBON

DOT PROPER

SHIPPING NAME:

NOT APPLICABLE

ID NUMBER:

NONE

SECTION I - INGREDIENTS

TLY UNITS AGENCY TYPE

- - - -

OIL MIST, IF GENERATED

5.00 MG/M3 OSHA

FULL TERM TWA

THE IDENTITIES OF INGREDIENTS THAT ARE TRADE SECRETS ARE EXCLUDED FROM THIS LIST.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY

Have physician call LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

EYE CONTACT:

FOR DIRECT CONTACT, FLUSH THE AFFECTED EYE(S) WITH CLEAN WATER. SEEK MEDICAL ATTENTION.

SKIN CONTACT:

DO NOT USE GASOLINES, THINNERS OR SOLVENTS TO REMOVE PRODUCT FROM SKIN. WIPE MATERIAL FROM SKIN AND REMOVE CONTAMINATED CLOTHING. CLEANSE AFFECTED AREA(S) THOROUGHLY BY WASHING WITH MILD SOAP AND WATER AND, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION (BREATHING):

IF IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, ARTIFICIAL RESPIRATION SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL.

INGESTION (SHALLOWING):

IF YICTIM IS CONSCIOUS AND ALERT, GIVE 2 TO 3 CUPS OF MILK OR WATER TO DRINK. SEEK MEDICAL ATTENTION. TO PHYSICIAN: EMESIS OR LAVAGE IS NOT RECOMMENDED FOR INGESTIONS OF MINUTE QUANTITIES OR TASTES OF MOST HYDROCARBONS. MEDICAL OPINION IS DIVIDED FOR LARGER INGESTIONS. EMESIS OR LAVAGE HAS BEEN RECOMMENDED FOR THOSE PETROLEUM PRODUCTS WHICH HAVE A HIGH ORAL TOXICITY. GASTRIC LAVAGE WITH A CUFFED ENDOTRACHEAL TUBE IS RECOMMENDED BY SOME PHYSICIANS TO PREVENT ASPIRATION.

SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS

EYE CONTACT:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE BURNING, TEARING AND REDNESS.

SKIN CONTACT:

THIS MATERIAL MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DERMATITIS.

INHALATION (BREATHING):

EXPOSURE TO MISTS, OR PROLONGED OR REPEATED EXPOSURE TO FUMES OR VAPORS THAT MAY BE GENERATED WHEN THIS MATERIAL IS HEATED, MAY CAUSE IRRITATION OF NOSE AND THROAT.

INGESTION (SWALLOWING):

INGESTION OF THIS MATERIAL MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

SECTION IV - SPECIAL PROTECTION INFORMATION

YENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF AIRBORNE CONCENTRATIONS EXCEED ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), A SUITABLE FILTER TYPE RESPIRATOR SHOULD BE WORN.

PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES AND SKIN. BARRIER CREAMS THAT ARE SPECIFIC FOR OIL-BASED MATERIALS ARE RECOMMENDED WHEN GLOVES ARE IMPRACTICAL.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

AYOID CONTACT WITH STRONG OXIDIZING AGENTS. EXTENDED EXPOSURE TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD MAJOR AMOUNTS OF OXIDES OF CARBON AND MINOR AMOUNTS OF OXIDES OF SULFUR AND NITROGEN.

E DATE: 5/

00256 PAGE 3 OF 4

SECTION V - REACTIVITY DATA

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI - SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS
Call CHEMTREC (800) 424-9300 Cont. U.S.
(Collect) (202) 483-7616 from Alaska & Hawaii

(86

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COLLECT LEAKING LIQUID IN SEALABLE CONTAINERS. ABSORB SPILLED LIQUID IN SAND OR INERT ABSORBANT. CONTACT FIRE AUTHORITIES AND APPROPRIATE STATE/LOCAL AGENCIES. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON U.S. NAYIGABLE WATERS, THE CONTIGUOUS ZONE, OR ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (PHONE NUMBER 800-424-8802).

WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY LOCATION. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION Y). AVOID GENERATING OIL MISTS WHILE HANDLING. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR OIL-SOAKED CLOTHING OR SHOES.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING

NFPA HEALTH HAZARD: D
HAZARD FLAMMABILITY: 1
CLASS REACTIVITY: D
OTHER:

0 = LEAST
1 = SLIGHT
2 = MODERATE
3 = HIGH

4 = EXTREME

DOT FLAMMABILITY CLASSIFICATION FLASH POINT

NOT REGULATED 32D F 16D C

EXTINGUISHING MEDIA:

EXTINGUISH WITH DRY CHEMICAL, CO2, WATER SPRAY, FOAM, SAND OR EARTH. WATER AND FOAM MAY CAUSE FROTHING.

FIRE & EXPLOSION HAZARDS:

THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY.

FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE USEFUL IN MINIMIZING YAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AYOUD SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

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00256 PAGE 4 OF 4

SECTION IX - PHYSICAL DATA

APPROX. BOILING RANGE

VAPOR DENSITY

EVAPORATION RATE

% VOLATILE

ABOYE 600 F (316) C

HEAYIER THAN AIR

SLOWER THAN ETHER

NEGLIGIBLE

% SOLUBILITY IN WATER

SPECIFIC GRAVITY

APPEARANCE

ODOR

NEGLIGIBLE

0.87 - D.88

CLEAR, RED LIQUID

CHARACTERISTIC

SECTION XI - DOCUMENTARY INFORMATION

ISSUE DATE: 5/ 1/86

PREY, DATE: 1/14/86

PRODUCT CODE NO. 03950

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

UNOCALG

Product Name: UNOCAL HYDRAULIC/TRACTOR FLUID

PRODUCT CODE NO: 03970 ISSUE DATE: 6/5/85

PAGE 1 OF

MANUFACTURER:

UNOCAL REFINING & MARKETING DIVISION UNION OIL COMPANY OF CALIFORNIA 1201 W. STH STREET LOS ANGELES, CALIFORNIA 90017

CONTACT FOR FURTHER INFORMATION: 76 DIVISION MSDS COORDINATOR (213) 977-7589

Transportation Emergencies: Call CHEMTREC (800) 424-9300 Cont. U.S. (202) 483-7616 (Collect) from Alaska & Hawaii Health Emergencies: CALL LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

PRODUCT IDENTIFICATION

PRODUCT NAME:

UNOCAL HYDRAULIC/TRACTOR FLUID

SYNONYMS:

UNION HYDRAULIC/TRACTOR FLUID

GENERIC NAME:

TRANSMISSION OILS

CHEMICAL FAMILY: PETROLEUM HYDROCARBON

DOT PROPER

SHIPPING NAME:

NOT APPLICABLE

ID NUMBER:

J

NONE

SECTION I - INGREDIENTS

TLY UNITS AGENCY TYPE

OIL MIST, IF GENERATED

5.00 MG/M3 OSHA

FULL TERM TWA

THE IDENTITIES OF INGREDIENTS THAT ARE TRADE SECRETS ARE EXCLUDED FROM THIS LIST.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY

Have physician call LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (213) 664-2121

EYE CONTACT:

FOR DIRECT CONTACT, FLUSH THE AFFECTED EYE(S) WITH CLEAN WATER. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

DO NOT USE GASOLINES, THINNERS OR SOLVENTS TO REMOVE PRODUCT FROM SKIN. HIPE MATERIAL FROM SKIN AND REMOVE CONTAMINATED CLOTHING. CLEANSE AFFECTED AREA(S) THOROUGHLY BY HASHING WITH SOAP AND HATER AND, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION (BREATHING):

IF IRRITATION OF NOSE OR THROAT DEVELOPS, MOVE AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING OR IF BREATHING DIFFICULTIES DEVELOP, ARTIFICIAL RESPIRATION OR OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION (SHALLOWING):

IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2 TO 3 CUPS OF MILK OR WATER TO DRINK. SEEK MEDICAL ATTENTION. TO PHYSICIAN: EMESIS OR LAYAGE IS NOT RECOMMENDED FOR INGESTIONS OF MINUTE QUANTITIES OR TASTES OF MOST HYDROCARBONS. MEDICAL OPINION IS DIVIDED FOR LARGER INGESTIONS. EMESIS OR LAYAGE HAS BEEN RECOMMENDED FOR THOSE PETROLEUM PRODUCTS WHICH HAVE A HIGH ORAL TOXICITY. GASTRIC LAVAGE WITH A CUFFED ENDOTRACHEAL TUBE IS RECOMMENDED BY SOME PHYSICIANS TO PREVENT ASPIRATION.

SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS

EYE CONTACT:

29

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE BURNING, TEARING AND REDNESS.

SKIN CONTACT:

THIS MATERIAL MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DERMATITIS.

INHALATION (BREATHING):

EXPOSURE TO MISTS, OR PROLONGED OR REPEATED EXPOSURE TO FUMES OR VAPORS THAT MAY BE GENERATED WHEN THIS MATERIAL IS HEATED, MAY CAUSE IRRITATION OF NOSE AND THROAT.

INGESTION (SWALLOWING):

ACCIDENTAL INGESTION OF THIS MATERIAL MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

comments:

USED MOTOR OIL: FOLLOWING REPEATED SKIN APPLICATIONS, ANIMAL STUDIES HAVE SHOWN THAT USED MOTOR/CRANKCASE OILS HAVE CAUSED AN INCREASED INCIDENCE OF SKIN CANCER IN MICE. IT IS THEREFORE RECOMMENDED THAT PROLONGED OR REPEATED CONTACT WITH MOTOR/CRANKCASE OILS BE AVOIDED.

SECTION IV - SPECIAL PROTECTION INFORMATION

YENTILATION:

9

IF CURRENT YENTILATION PRACTICES ARE NOT ADEQUATE IN MAINTAINING AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL YENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

RESPIRATORY PROTECTION:

IF AIRBORNE CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LIMITS, A SUITABLE FILTER-TYPE RESPIRATOR SHOULD BE WORN. (SEE SECTION I.)

PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION.

EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN WORK AREA FOR FLUSHING EYES AND SKIN. BARRIER CREAMS THAT ARE SPECIFIC FOR OIL-BASED MATERIALS ARE RECOMMENDED WHEN GLOVES ARE IMPRACTICAL.

SECTION Y - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

AYOID CONTACT WITH STRONG OXIDIZING AGENTS. EXTENDED EXPOSURES TO HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

6/ 85

00257 PAGE 3 OF 4

SECTION Y - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD MAJOR AMOUNTS OF OXIDES OF CARBON AND MINOR AMOUNTS OF OXIDES OF SULFUR AND NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI - SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS
Call CHEMTREC (800) 424-9300 Cont. U.S.
(Collect) (202) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COLLECT LEAKING LIQUID IN SEALABLE CONTAINERS. ABSORB SPILLED LIQUID IN SAND OR INERT ABSORBANT. CONTACT FIRE AUTHORITIES AND APPROPRIATE STATE/LOCAL AGENCIES. IF SPILL OF ANY AMOUNT IS MADE INTO OR UPON U.S. NAVIGABLE WATERS, THE CONTIGUOUS ZONE, OR ADJOINING SHORELINES, NOTIFY COAST GUARD NATIONAL RESPONSE CENTER (PHONE NUMBER 800-424-8802).

WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

STORE IN A COOL, DRY LOCATION. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION Y). AVOID GENERATING OIL MISTS WHILE HANDLING. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING, FOR USED MOTOR OIL: LAUNDER SATURATED CLOTHING BEFORE WEARING AND DISCARD OIL-SOAKED SHOES AND UNWASHABLE CLOTHING.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING

NFPA HEALTH Hazard Flamma

CLASS

HEALTH HAZARD: D FLAMMABILITY: 1

REACTIVITY: 0

O = LEAST

1 = SLIGHT 2 = MODERATE

CLASSIFICATION

FLASH POINT

3 = HIGH 4 = EXTREME NOT REGULATED

DOT FLAMMABILITY

378, COC F 192 C

EXTINGUISHING MEDIA:

EXTINGUISH WITH DRY CHEMICAL, CO2, WATER SPRAY, FOAM, SAND OR EARTH. WATER AND FOAM MAY CAUSE FROTHING.

FIRE & EXPLOSION HAZARDS:

THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY.

FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AYOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. MOYE UNDAMAGED CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK.

Product Name: UNOCAL HYDRAULIC/TRACTOR FLUID PRODUCT CODE NO: 03970

ISSUE DATE:

00257 PAGE 4 OF 4

SECTION IX - PHYSICAL DATA

APPROX. BOILING RANGE

YAPOR DENSITY

EVAPORATION RATE

% YOLATILE

ABOVE 600 F 316 C

HEAVIER THAN AIR

SLOWER THAN ETHER NEGLIGIBLE

% SOLUBILITY IN WATER

SPECIFIC GRAVITY

APPEARANCE

NEGLIGIBLE

0.89

CLEAR, BROWN LIQUID

ODOR

is B

CHARACTERISTIC

SECTION X - PRECAUTIONARY LABEL

CAUTION! USED MOTOR OIL IS A POSSIBLE SKIN CANCER HAZARD BASED ON TESTS WITH LABORATORY ANIMALS. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID MAKING OR BREATHING OIL MIST. USE ADEQUATE YENTILATION. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

SECTION XI - DOCUMENTARY INFORMATION

ISSUE DATE: 6/ 5/85 PREV. DATE: 10/22/84

PRODUCT CODE NO. 03970

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued.

HOWEVER, NO MARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER MARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

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STREET ADDRESS 1 CALIFORNIA ST. SUITE 2700						CITY SAN FRA	ANCISCO		STAT	E	ZIP 94111
II FACILITY											
FACILITY NAME UNION OIL SS #5847		1	FOREMAN N. SCH		VISOR						
STREET ADDRESS 2701 EAST AVE.						T CROSS ELDT RD	STREET			,	
CITY HAYWARD				ļ	COUNTY ALAMED					ZIP 945	
MAILING ADDRESS 2701 EAST AVE.				HAY	Y WARD				STATI		ZIP 94541
PHONE W/AREA CODE 415-581-0958		TYPE OF BUSING			TION () 02 0	THER				
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TO	MNSH:	ÎP		RANGE		SECT	ION	
III 24 HOUR EMERGENCY C	:ONT/	ACT PERSON	4								
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D. CONTAINER CAPACITY: 10000 6	SALLON	S () UNKNOWN	E	. DOI	ES THE (CONTÁINI	ER STORI	E: () 01 WAST	E (X) 02	PRODUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR										PPROF	PRIATE BOX(ES):
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C. () 01 DOUBLE WALLED (X) 02 SI	INGLE	HALLED () 03	LI	NED				···			
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CONTAINER CONSTRUCTION

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F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:
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HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.
PERSON FILING (SIGNATURE) PHONE W/AREA CODE
FOR LOCAL AGENCY USE ONLY
ADMINISTRATING AGENCY CITY CODE COUNTY CODE
CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #
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APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

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STREET ADDRESS 1 CALIFORNIA ST. SUITE 2700					CITY SAN FR	ANCISCO		STAT	E	ZIP 94111	
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APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

											
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DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

() 01 NEW PERMIT ()	05 RENEWED PERHIT						DELET	E FRÓM	FILE (NO FEE)
() 02 CONDITIONAL PERMIT ()	06 AMENDED PERMIT	()	OB HINO	CHANGE	(NC S	URCHARGE)			
I OWNER									
NAME(CORFORATION, INDIVIDUAL OR PUBUNION OIL CO.	LIC AGENCY)					PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 1 California St. Suite 2700				CITY SAN FRA	NCISCO		STATI C a		ZIP 94111
II FACILITY				·					
FACILITY NAME UNION OIL SS #5847				FOREMAN W. SCHM		VISOR		· ·	
STREET ADDRESS 2701 EAST AVE.			1	CROSS	STREET				
CITY HAYWARD			COUNTY		:			ZIP 9454	1
MAILING ADDRESS 2701 EAST AVE.		CIT	Y WARD				STATI CA		19 4 541
PHONE W/AREA CODE 415-581-0958	TYPE OF BUSIN (X) 01 GASOL		TION () 02 OT	HER				
NUMBER OF CONTAINERS	RURAL AREAS ONLY :	HZNWOT	IP		RANGE		SECT	ION	
III 24 HOUR EMERGENCY C	ONTACT PERSON	1		•					
DAYS: NAME(LAST NAME FIRST) AND PH JAURIGUI, L.J. 415-956-				: NAME(L	AST NAI	ME FIRST) AND 1 415-561-		W/ARE	A CODE
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D. CONTAINER CAPACITY: 10000 6	GALLONS () UNKNOWN	E. DO	ES THE	CONTAINE	R STOR	E: () 01 WAST	E (X) 02 P	RODUCT
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CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #

PAGE 2

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

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		ENEWED PERMIT MENDED PERMIT		07 TANK C				DELET	E FROM	FILE (NO FEE)
I OWNER										
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STREET ADDRESS 1 CALIFORNIA ST. SUITE 2700				1	ITY AN FRA	NCISCO		STATE CA	E .	ZIP 94111
II FACILITY										
FACILITY NAME UNION OIL SS #5847	DEALER/FO			/ISOR		1				
STREET ADDRESS 2701 EAST AVE.				NEAREST (STREET		- "		
CITY COUNTY ZIP HAYMARD ALAMEDA 94541										
MAILING ADDRESS CITY 2701 EAST AVE. HAYWARD								STATE	1	, 541
PHONE W/AREA CODE 415-581-0958		TYPE OF BUSING (X) 01 GASOL		ATION ()	02 01	HER				
NUMBER OF CONTAINERS 6	PURAL	AREAS ONLY :	TOWNS	HIP		RANGE		SECTI	ON	
III 24 HOUR EMERGENCY (ONTA	CT PERSON]							
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D. CONTAINER CAPACITY: 280 6	SALLONS	S () UNKNOWN	E. D	DES THE CON	HAINE	R STORE	: (X) 01 WASTE	· E ()	02 PRO	DUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR	VEHICI	E FUEL OR WAST	TE OIL) 04	? (X) 01 Y DIESEL (X)	res () 02 N ASTE OI	D IF YES CHE	CK AP	PROPRIA	TE BOX(ES):
CONTAINER CONSTRUCT	ION			·						
A. THICKNESS OF PRIMARY CONTAINMEN	गः	()	GAUGE	() INCHE	:s () CM (X) UNKNOWN			
B. () 01 VAULTED (LOCATED IN AN L	NOERGE	OUND VAULT)	X) 02	NON-VAULTE	D () 03 UN	KNOWN			
C. () 01 DOUBLE WALLED (X) 02 S1	NGLE .	IALLED () 03	LINED							
D. (X) 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE	INLESS	STEEL () 03) () 08 BRONZ	FIBER	RGLASS () 0 9 COMPOS	04 PE	DLYVINY	L CHLORIDE (NON-METALLIC) 05	CONCRET	E

CONTAINER CONSTRUCTION

() 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 07 UNLINED (X) 08 UNKNOWN () 09 OTHER:	1 04 PHENOLIC LINING () 05 GLASS LININ	[5				
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC F () 06 TAR OR ASPHALT () 09 OTHER:	PROTECTION () 04 UNKNOWN (X) 05 NONE					
VI PIPING						
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONC (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION ()	RETE-LINED TRENCH () 03 GRAVITY 0 06 UNKNOWN () 07 MONE					
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONC (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION ()						
VII LEAK DETECTION						
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 0						
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS						
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL Stored Stored	(DO NOT USE COMMERCIAL NAME)					
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() 01 () 02 () 03		· · · · · · · · · · · · · · · · · · ·				
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS						
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO						
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE	BEST OF MY KNOWLEDGE, IS TRUE AND CORRE	CT.				
PERSON FILING (SIGNATURE)	PHONE W/AREA CODE					
FOR LOCAL AGENCY USE ONLY						
ADMINISTRATING AGENCY CITY CODE COUNTY CODE						
CONTACT PERSON PHONE W/AREA CODE						
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DA	TRANSACTION DATE LOCAL PE	RMIT ID #				

APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

***************************************	· · · ·					01100					
() 01 NEW PERMIT (() 02 CONDITIONAL PERMIT (RENEWED PERMIT						() 09 URCHARGE)	DELET	E. FRO	OM FILE (NO FEE)
I OWNER											
NAME(CORPORATION, INDIVIDUAL OR PU UNION OIL CO.	BLIC A	(GENCY)						PUBLIC AGENCY			TE () 03 LOCAL
STREET ADDRESS 1 CALIFORNIA ST. SUITE 2700						CITY SAN FRANCISCO			STATI	ŧ	21P 94111
II FACILITY											
FACILITY NAME UNION OIL SS #5847				L L	DEALER/FOREMAN/SUPERVISOR ROBERT N. SCHMITZ						
STREET ADDRESS 2701 EAST AVE.						CROSS	STREET				
CITY Hayward					OUNTY ALAMEDA				21P 94541		
MAILING ADDRESS 2701 EAST AVE.				CITY HAYWA					STATI		ZIP 9454l
PHONE W/AREA CODE 415-581-0958		TYPE OF BUSING		STATI	(DN () 02 OT	THER				
NUMBER OF CONTAINERS 6	RURAL	AREAS ONLY :	TOW	INSHIP RANG			RANGE	ANGE		SECTION	
III 24 HOUR EMERGENCY (CONT	ACT PERSON	1			•			1		
DAYS: NAME(LAST NAME FIRST) AND P JAURIGUI, L.J. 415-956		I/AREA CODE		3		NAME(L		ME FIRST) AND 1		W/AR	REA CODE
COMPLETE THE FO	JLLOI	WING ON A	SEF	PARA	ATE F	ORM	FOR E	EACH CONTA	INE	R	
A. (X) 01 TANK () 04 OTHER:							CONTA	INER NUMBER 58	47-1-	1	
B. MANUFACTURER (IF APPROPRIATE):					Y	EAR MF6	: 1967	C. YEAR INST	ALLED	1967	7 () UNKNOWN
D. CONTAINER CAPACITY: 10000	6ALLON	() UNKNOWN	ε.	DOES	THE C	ONTAINE	R STORI	E: () OI WAST	E (X) 02	PRODUCT
F. DOES THE CONTAINER STORE MOTOR (X) 01 UNLEADED () 02 REGULA										PPROF	PRIATE BOX(ES):
V CONTAINER CONSTRUCT	TION					·····	· .				
A. THICKNESS OF PRIMARY CONTAINME	NT:	()	GAU	GE () INC	HES () CH	(х) инкнони			
B. () 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	(X)	02 NO	JUAV-NC	TED () 03 U	NKNOWN			
C. () 01 DOUBLE WALLED (X) 02 S	INGLE	NALLED () 03	LIN	IED					·		
D. (X) 01 CARBON STEEL () 02 ST () 06 ALUMINUM () 07 STE () 12 UNKNOWN () 13 OTHER:		A.) 05	CONC	CRETE

HSC04-070185 (09/25/85)

CONTAINER CONSTRUCTION

E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING () 07 UNLINED (X) 08 UNKNOWN () 09 OTHER:						
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:						
VI PIPING						
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE						
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) (X) 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE						
VII LEAK DETECTION						
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:						
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION						
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED						
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THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.						
PERSON FILING (SIGNATURE) PHONE W/AREA CODE						
FOR LOCAL AGENCY USE ONLY						
ADMINISTRATING AGENCY CITY CODE COUNTY CODE						
CONTACT PERSON PHONE W/AREA CODE						
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #						

HSC04-070185 (09/25/85)



ENVIRONMENTAL HEALTH

43255 Mission Blvd. Suite B Fremoni (AS94559 1415) 651-1906

J. 16/ANKS

February 24, 1987 0224pyam 86109-2

Mr. Paul Yamamoto UNOCAL 2175 N. California Blvd. Suite 650 Walnut Creek, California 94596

Letter report No. 86109-2 on monthly ground water Subject:

analysis at former

Dear Mr. Yamamoto:

This letter report summarizes the results of monthly ground water monitoring performed by Applied GeoSystems at the abovereferenced site as outlined in AGS report #86109-1, dated November 19, 1986.

A geologist arrived at the site at 3:30 P. M., February 23, 1987 to sample and subjectively analyze water from monitoring wells MW-1 and MW-2. Water samples were collected from the wells to check for the presence of floating product, product sheen, emulsion, or odor. Each sample was collected by gently lowering a laboratory-cleaned teflon bailer halfway through the air/water interface and collecting a water sample from the surface of the water in the well. The water samples showed no floating product, emulsion, or surface sheen, and emitted no product odor. of our field monitoring measurements are presented on the attached table.

> Tad, If you have any questions please contact Hugh Murphy at the 784-8695

We recommend that UNOCAL forward a copy of this report to Ms. Suzanne Larson of the Hayward Fire Department, 22300 Foothill Boulevard, Hayward, California 94541. Should you have any questions on this inspection, please do not hesitate to call.

Sincerely, Applied GeoSystems

Glenn R. Dembroff Project Geologist

Michael N. Clark C.E.G. 1264

Attachment: Monthly Subjective Analyses Table



43255 Mission Blvd. Suite B Fremont, CA 94539 (415) 651-1906

MONTHLY SUBJECTIVE ANALYSES for Former UNOCAL Station #5847 Windfeldt Road and East Avenue Hayward, California

<u>Date</u>	<u>Well</u>	Depth to <u>Water</u>	Floating <u>Product</u>	<u>Odor</u>	Sheen	Emulsion
2/87	MW-1	18.73'	NONE	NONE	NONE	NONE
2/87	MW-2	20.77'	NONE	NONE	NONE	NONE