

MSDS DATA SHEET

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CHEMISTRI 10/09/03

DISPLAY MATERIAL SAFETY DATA SHEET 10:32:13

SCREEN QA06__ KEY 0000940584,0000000018_____

FID#: 00353719 VER-DT: 01/04/99

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: 02261 - TEXACO COLD CLIMATE POWER STEERING FLUID
14315

PLANT SYNONYMS: POWER STEERING FLUID COLD CLIMATE

- > 10-5006
- > 10-5007
- > 12345866
- > 12345867
- > 88900409
- > 88900410

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND
LUBRICANTS

MANUFACTURER'S ID (MID): 000556552

MANUFACTURER'S NAME: EQUILON ENTERPRISES LLC

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 877-276-7283

US 800-424-9300

MANUFACTURER'S MAILING ADDRESS:

(SHELL AND TEXACO MERGER)

P.O. BOX 674414

HOUSTON TX 77267-4414

US

SECTION 1 - OTHER INFORMATION: CHEMICAL NAME AND/OR FAMILY OR
DESCRIPTION: POWER STEERING FLUIDS. EMERGENCY OVERVIEW: APPEARANCE:
PALE YELLOW LIQUID. ODOR: NOT DETERMINED. WARNING STATEMENT: NONE
CONSIDERED NECESSARY.

CAS#	FORMULATION	W/V	CHEMICAL NAME
000097881	R 0.0100/ 0.0900%	W	METHACRYLIC ACID, BUTYL ESTER
000103242	R 15.0000/ 25.0000%	W	AZELAIC ACID, BIS(2-ETHYLHEXYL) ES
*			TER
000108952	< 0.0000/ 0.0001%	W	PHENOL
000123319	< 0.0000/ 0.0001%	W	HYDROQUINONE
000142905	< 0.0000/ 0.0010%	W	METHACRYLIC ACID, DODECYL ESTER
002083321	R 0.1000/ 0.9000%	W	Thiophene, 2,5-dihydro-3-(4-methyl
*			-3-pentenyl)-, 1,1-dioxide
008008206	< 0.0000/ 0.0010%	W	KEROSENE
027924998	R 0.1000/ 0.9900%	W	Octadecanoic acid, 12-hydroxy-, ho
*			mopolymer
032360057	< 0.0000/ 0.0010%	W	2-Propenoic acid, 2-methyl-, octad
*			ecyl ester
064741884	R 1.0000/ 3.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES
*			, SOLVENT-REFINED (severe) HEAVY P
*			ARAFFINIC
064741975	R 1.0000/ 3.0000%	W	MINERAL OIL, PETROLEUM DISTILLATES

* , SOLVENT-REFINED (severe) LIGHT N
 * APHTHENIC
 064742558 R 25.0000/ 35.0000% W MINERAL OIL, PETROLEUM DISTILLATES
 * , HYDROTREATED (severe) LIGHT PARA
 * FFINIC
 067762418 < 0.0000/ 0.0001% W ALCOHOLS, C10-16
 068037014 R 25.0000/ 35.0000% W 1-Decene, homopolymer, hydrogenate
 * d
 068516847 R 0.1000/ 0.9900% W 2-Propenoic acid, 2-methyl-, butyl
 * ester, polymer with dodecyl 2-met
 * hyl-2-propenoate and octadecyl 2-m
 * ethyl-2-propenoate

SECTION 2 - OTHER INFORMATION: PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200). 64742-55-8, 64741-88-4, 64741-97-5, 64742-65-2 BY DEFINITION, ARE CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST. 68516-84-7 IS HAZARDOUS ACCORDING TO OSHA.

THRESHOLD LIMIT VALUE: CAS # 000123-31-9: TLV - 2 MG/M3; TLV STEL - NOT ESTABLISHED. CAS # 000108-95-2: TLV - 5 PPM; TLV STEL - NOT ESTABLISHED.

PERMISSIBLE EXPOSURE LIMIT: CAS # 000123-31-9: PEL - 2 MG/M3; OSHA STEL - NOT ESTABLISHED. CAS # 000108-95-2: PEL - 5 PPM; 19 MG/M3; OSHA STEL - NOT ESTABLISHED.

 SECTION 03: HAZARDS IDENTIFICATION

SKIN PRIMARY ENTRY ROUTE INDICATOR = Y
 EYE PRIMARY ENTRY ROUTE INDICATOR = Y
 INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y
 INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y
 PRIMARY ROUTES OF ENTRY TEXT: EYE, SKIN

EFFECTS OF OVEREXPOSURE - SKIN: ACUTE: BRIEF CONTACT MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT AS WITH CLOTHING WETTED WITH MATERIAL, MAY CAUSE MORE SEVERE IRRITATION AND DISCOMFORT, SEEN AS LOCAL REDNESS AND SWELLING. OTHER THAN THE POTENTIAL SKIN IRRITATION EFFECTS NOTED, ACUTE (SHORT TERM) ADVERSE EFFECTS ARE NOT EXPECTED FROM BRIEF SKIN CONTACT;

EFFECTS OF OVEREXPOSURE - EYE: ACUTE: MAY CAUSE MINIMAL IRRITATION, EXPERIENCED AS TEMPORARY DISCOMFORT.

EFFECTS OF OVEREXPOSURE - INHALATION: ACUTE: VAPORS OR MIST, IN EXCESS OF PERMISSIBLE CONCENTRATIONS, OR IN UNUSUALLY HIGH CONCENTRATIONS POORLY VENTILATED AREAS OR CONFINED SPACES, MAY CAUSE IRRITATION OF THE NOSE AND THROAT, HEADACHE, NAUSEA AND DROWSINESS.

EFFECTS OF OVEREXPOSURE - INGESTION: ACUTE: IF MORE THAN SEVERAL MOUTHFULS ARE SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA AND DIARRHEA MAY OCCUR.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: BECAUSE OF ITS IRRITATING PROPERTIES, REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS (SKIN CONDITION).

ADDITIONAL HEALTH HAZARD DATA: SENSITIZATION PROPERTIES: UNKNOWN. CHRONIC: NO ADVERSE EFFECTS HAVE BEEN DOCUMENTED IN HUMANS AS A RESULT OF CHRONIC EXPOSURE. OTHER REMARKS: NONE. SENSITIZATION: NOT DETERMINED. OTHER: NONE.

 SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: OTHER INSTRUCTIONS: REMOVE AND DRY-CLEAN OR LAUNDRER CLOTHING SOAKED OR SOILED WITH THIS MATERIAL

BEFORE REUSE. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING. INFORM INDIVIDUALS RESPONSIBLE FOR CLEANING OF POTENTIAL HAZARDS ASSOCIATED WITH HANDLING CONTAMINATED CLOTHING.

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH SKIN WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS OR PERSISTS.

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF EYE IRRITATION PERSISTS.

EMERGENCY FIRST AID PROCEDURES - INHALATION: IF IRRITATION, HEADACHE, NAUSEA OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION PERSISTS.

EMERGENCY FIRST AID PROCEDURES - INGESTION: IF MORE THAN SEVERAL MOUTHFULS OF THIS MATERIAL ARE SWALLOWED, GIVE TWO GLASSES OF WATER (16

SECTION 05: FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: RECOMMENDED FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES: USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE TO EXTINGUISH FLAMES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. WATER OR FOAM MAY CAUSE FROTHING. EXTINGUISHING MEDIA WHICH MUST NOT BE USED: NOT DETERMINED. SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: WEAR FULL PROTECTIVE CLOTHING AND POSITIVE PRESSURE BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HMIS CODES:

HMIS REACTIVITY CODE = 0

HMIS HEALTH CODE = 1

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 1

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: IGNITION TEMPERATURE-AIT: NOT DETERMINED

FLASH POINT TEMPS: = 410.00F

FLASH POINT METHOD: COC

SECTION 5 - OTHER INFORMATION: FLAMMABLE LIMITS (%): LOWER AND UPPER: NOT DETERMINED. PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: TOXIC LEVELS OF CARBON MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

SPILL OR LEAK PROCEDURES: TRANSPORTATION SPILLS: CHEMTREC (800)424-9300). PROCEDURES IN CASE OF ACCIDENTAL RELEASE, BREAKAGE OR LEAKAGE: VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION. CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. STORAGE: PERIODS OF EXPOSURE TO HIGH TEMPERATURES SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SAFETY GLASSES, CHEMICAL TYPE GOGGLES OR FACE SHIELD RECOMMENDED TO PREVENT EYE CONTACT.

RESPIRATORY PROTECTION: AIRBORNE CONCENTRATIONS SHOULD BE KEPT TO LOWEST LEVELS POSSIBLE. IF VAPOR, MIST OR DUST IS GENERATED AND THE OCCUPATIONAL EXPOSURE LIMIT OF THE PRODUCT, OR ANY COMPONENT OF THE PRODUCT, IS EXCEEDED, USE APPROPRIATE NIOSH OR MSHA APPROVED AIR PURIFYING OR AIR SUPPLIED RESPIRATOR AFTER DETERMINING THE AIRBORNE CONCENTRATION OF THE CONTAMINANT. AIR SUPPLIED RESPIRATORS SHOULD ALWAYS BE WORN WHEN AIRBORNE CONCENTRATION OF THE CONTAMINANT OR OXYGEN CONTENT IS UNKNOWN.

ENGINEERING CONTROLS: VENTILATION: ADEQUATE TO MEET COMPONENT

WORKPLACE/HYGIENIC PRACTICES: WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER. SOILED WORK CLOTHING SHOULD BE LAUNDERED OR DRY-CLEANED.

PROTECTIVE GLOVES (SPECIFY TYPE): PLEASE CONTACT LOCAL HEALTH AND SAFETY REPRESENTATIVES FOR APPROPRIATE GLOVE TYPE FOR YOUR SPECIFIC USE.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NOT DETERMINED

MELTING/FREEZE POINT TEXT: NOT APPLICABLE

SPECIFIC GRAVITY TEXT: WATER=1

VAPOR DENSITY TEXT: NOT DETERMINED

VAPOR PRESSURE TEXT: NOT DETERMINED

SOLUBILITY IN WATER TEXT: NOT DETERMINED

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: NOT APPLICABLE

APPEARANCE: PALE YELLOW LIQUID

ODOR: NOT DETERMINED.

VISCOSITY TEXT: 28.6 CST AT 40.0 C

SECTION 9 - OTHER INFORMATION: OTHER: NONE

SECTION 10: STABILITY & REACTIVITY

STABILITY - TEXT: THIS MATERIAL REACTS VIOLENTLY WITH STRONG OXIDIZERS.
COMMENTS: NONE.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: TOXIC LEVELS OF CARBON MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

HAZARDOUS POLYMERIZATION INDICATOR: N

TOXICOLOGICAL DATA UNLIMITED TEXT: ANIMAL TOXICITY DATA: MEDIAN LETHAL DOSE ORAL: LD50 BELIEVED TO BE >5.00 B/KG (RAT) PRACTICALLY NON-TOXIC. INHALATION: NOT DETERMINED. DERMAL: LD50 BELIEVED TO BE >2.00 G/KG (RABBIT) PRACTICALLY NON-TOXIC. IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES) SKIN: (DRAIZE) BELIEVED TO BE >0.50-3.00/8.0 (RABBIT) SLIGHTLY IRRITATING. EYES: (DRAIZE) BELIEVED TO BE <15.00/110 (RABBIT) NO APPRECIABLE EFFECT.

CARCINOGENICITY: PRODUCT AND/OR COMPONENT(S) CARCINOGENIC: NONE.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: ENVIRONMENTAL INFORMATION: AQUATIC TOXICITY: NOT DETERMINED. MOBILITY: NOT DETERMINED. PERSISTENCE AND DETERMINED. REMARKS: NONE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES, TRANSFORMATIONS, MIXTURES, PROCESSES, ETC MAY RENDER THE RESULTING MATERIALS HAZARDOUS. REMARKS: NONE.

SECTION 14: TRANSPORT INFORMATION

SECTION 14 - OTHER INFORMATION: IMDG: PROPER SHIPPING NAME: NOT EVALUATED. ICAO: PROPER SHIPPING NAME: NOT EVALUATED. TDG: PROPER SHIPPING NAME: NOT EVALUATED.

SECTION 15: REGULATORY INFORMATION

SARA 311/312 HAZARD INDICATORS:
IMMEDIATE HEALTH INDICATOR = N
DELAYED HEALTH INDICATOR = N

SECTION 15 - OTHER INFORMATION: FEDERAL REGULATIONS: SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCES TPQ AND RQ: NONE. SECTION 313 TOXIC CHEMICAL: NONE. CERCLA 102 (A)/DOT HAZARDOUS SUBSTANCES: NONE. CERCLA/DOT HAZARDOUS SUBSTANCES RQ: NONE. TSCA INVENTORY STATUS: THIS SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. OTHER: NONE. STATE REGULATIONS: CALIFORNIA PROPOSITION 65: THE FOLLOWING DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES, OR BELONG TO CLASSES OF SUBSTANCES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR REPRODUCTIVE TOXICITY: NONE. INTERNATIONAL REGULATIONS: WHMIS CLASSIFICATION: NOT CONTROLLED. CANADA INVENTORY STATUS: NOT DETERMINED. EINECS INVENTORY STATUS: NOT DETERMINED. AUSTRALIA INVENTORY STATUS: NOT DETERMINED. JAPAN INVENTORY STATUS: NOT DETERMINED.

SECTION 16: OTHER INFORMATION

LABEL INFORMATION: PRODUCT LABEL: READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS. 02261 COLD CLIMATE POWER STEERING FLUID 14315 WARNING STATEMENT: NONE CONSIDERED NECESSARY. PRECAUTIONARY MEASURES: AVOID PROLONGED BREATHING OF VAPOR, MIST OR GAS. WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER. FIRST AID: EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF EYE IRRITATION PERSISTS. SKIN CONTACT: WASH SKIN WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. GET MEDICAL ATTENTION IF SKIN IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF MORE THAN SEVERAL MOUTHFULS OF THIS MATERIAL ARE SWALLOWED, GIVE TWO GLASSES OF WATER (16 OZ). GET MEDICAL ATTENTION. INHALATION: IF IRRITATION, HEADACHE, NAUSEA, OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR RESPIRATORY IRRITATION PERSISTS. NOTE TO PHYSICIAN: NONE. FIRE: IN CASE OF FIRE, USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY CAUSE LIGHT PARAFFINIC PETROLEUM DISTILLATE (64742-55-8) 35.00-45.99. SYNTHETIC HYDROCARBON BASE OIL (68649-12-7) 20.00-34.99. DI(20ETHYLHEXYL) AZELATE (103-24-2) 10.00-19.99. SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES (64741-88-4) 1.00-2.99. SOLVENT-REFINED LIGHT NAPHTHENIC PETROLEUM DISTILLATE (64741-97-5) 1.00-2.99. SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES (64742-65-0) 1.00-2.99. METHACRYLIC ACID, COPOLYMER OF BUTYL, LAURYL AND STEARYL ESTERS (68516-84-7) 1.00-2.99. 64742-55-8, 64741-88-4, 64741-97-5, 64742-65-2 BY DEFINITION, ARE CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST. 68516-84-7 IS HAZARDOUS ACCORDING TO OSHA. PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE(S): NONE. TRANSPORTATION: DOT PROPER SHIPPING NAME: NOT REGULATED. HMIS: HEALTH 1, REACTIVITY 0, FLAMMABILITY 1. NFPA: HEALTH 1, REACTIVITY 0, FLAMMABILITY 1. CAUTION: MISUSE OF EMPTY CONTAINERS CAN BE HAZARDOUS. EMPTY CONTAINERS CAN BE HAZARDOUS IF USED TO STORE TOXIC, FLAMMABLE OR REACTIVE MATERIALS. TOXIC FUMES FROM RESIDUES. DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME OR HEAT. KEEP CONTAINER CLOSED AND DRUM BUNGS IN PLACE. NAME AND ADDRESS: EQUILON ENTERPRISES LLC, PO BOX 674414, HOUSTON TX 77267-4414. TRANSPORTATION EMERGENCY (877)276-7283, CHEMTREC (800)424-9300. HEALTH EMERGENCY (877)276-7283.

RCRA HAZARDOUS WASTE NUMBER TEXT: THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES, TRANSFORMATIONS, MIXTURES, PROCESSES, ETC MAY RENDER THE RESULTING MATERIALS HAZARDOUS. REMARKS: NONE.

*** END OF DATA SHEET ***