

CHEVRON PRODUCTS COMPANY -- CHEVRON GAS ENGINE OIL -- 9150-00-186-6681
===== Product Identification =====

Product ID:CHEVRON GAS ENGINE OIL
MSDS Date:09/16/1998
FSC:9150
NIIN:00-186-6681
Status Code:A
MSDS Number: CKLVB
=== Responsible Party ===
Company Name:CHEVRON PRODUCTS COMPANY
Address:555 MARKET STREET, ROOM 803
City:SAN FRANCISCO
State:CA
ZIP:94105-2870
Country:US
Info Phone Num:800-582-38
35
Emergency Phone Num:800-231-0623/510-231-0623
Resp. Party Other MSDS Num.:007095 REV#0
Chemtrec Ind/Phone:(800)424-9300
CAGE:2H740

=== Contractor Identification ===
Company Name:AMOCO OIL CO
Address:200 E RANDOLPH DR
Box:City:CHICAGO
State:IL
ZIP:60601-6401
Country:US
Phone:312-856-3907- EM HLTH: 800 447-8735
CAGE:15958
Company Name:CHEVRON PRODUCTS CO GLOBAL LUBRICANTS
Address:555 MARKET STREET ROOM 803
Box:City:SAN FRANCISCO
State:CA
ZIP:94105-2870
Country:US
Phone:800-228-3500/415-894-0703

CAGE:2H740

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Composition/Information on Ingredients
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Ingred Name:LUBRICATING BASE OIL, SEVERLY REFINED PETROLEUM DISTILATE
(MIXTURE OF FOLLOWING OILS)

> Wt:90.

OSHA PEL:5 MG/M3 (MIST)

ACGIH TLV:5 MG/M3 (MIST)

ACGIH STEL:10 MG/M3 (MIST)

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC

CAS:64741-88-4

RTECS #:PY8040500

Fraction by Wt: 0 TO >90%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED LIGHT PARAFFINIC

CAS:64741-89-5

RTECS #:PY8

041500

Fraction by Wt: 0 TO >90%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY NAPHTHENIC

CAS:64741-96-4

RTECS #:PY8040000

Fraction by Wt: 0 TO >90%

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-REFINED LIGHT NAPHTHENIC

CAS:64741-97-5

RTECS #:PY8041000

Fraction by Wt: 0 TO >90%

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED

CAS:64742-01-4

Fraction by Wt: 0 TO >90%

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

CAS:64742-52-5

RTECS #:PY8035000

Fraction

by Wt: 0 TO >90%

Ingred Name: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC
CAS: 64742-53-6
RTECS #: PY8036000
Fraction by Wt: 0 TO >90%

Ingred Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC
CAS: 64742-54-7
RTECS #: PY8035500
Fraction by Wt: 0 TO >90%

Ingred Name: RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED
CAS: 64742-62-7
Fraction by Wt: 0 TO >90%

Ingred Name: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC
CAS: 64742-65-0
RTECS #: PY8038500
Fraction by Wt: 0 TO >90%

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Ingred Name: LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED BRIGHT
STOCK-BASED
CAS: 72623-83-7
Fraction by Wt: 0 TO >90%

Ingred Name: ADDITIVES (INCLUDING FOLLOWING)
> Wt: 10.

Ingred Name: ZINC ALKYL DITHIOPHOSPHATE (ADDITIVE)
CAS: 68649-42-3
< Wt: 1.2

Ingred Name: ZINC ALKARYL DITHIOPHOSPHATE (ADDITIVE)
CAS: 11059-65-7
< Wt: 1.

==== Hazards Identification =====

Reports of Carcinogenicity: NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic: EYES:

NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE IRRITATION. SKIN: CONTACT WITH SKIN IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT IRRITATION. NOT EXPECTED TO BE HARMFUL TO INTERNAL ORGANS IF ABSORBED THROUGH THE SKIN. INGESTION: NOT EXPECTED TO BE HARMFUL IF SWALLOWED. INHALATION: CONTAINS A PETROLEUM-BASED MINERAL OIL. MAY CAUSE RESPIRATORY IRRITATION OR OTHER PULMONARY EFFECTS FOLLOWING PROLONGED OR REPEATED INHALATION OF OIL MIST AT AIRBORNE LEVELS ABOVE THE RECOMMENDED MINERAL OIL MIST EXPOSURE LIMIT.

Explanation of Carcinogenicity: CANCER WARNING NOT REQUIRED UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THIS OIL NOT LISTED IN NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT NOR CLASSIFIED BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS; CARCINOGENIC TO HUMANS (GROUP 1), PROBABLY CARCINOGENIC TO HUMANS (GROUP 2A), OR POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B).

Effects of Overexposure: EYES: NOT A SIGNIFICANT EYE IRRITANT. SKIN: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT IRRITATION. INGESTION: NOT HARMFUL IF SWALLOWED. INHALATION: MINERAL OIL MAY CAUSE RESPIRATORY IRRITATION OR OTHER PULMONARY EFFECTS.

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===== First Aid Measures =====
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First Aid: EYES: NONE REQUIRED. AS PRECAUTION, REMOVE CONTACT LENSES. FLUSH EYES WITH WATER. SKIN: NONE REQUIRED. AS PRECAUTION, REMOVE CONTAMINATED CLOTHING AND SHOES. USE WATERLESS HAND CLEANER, MINERAL OIL, OR PETROLEUM JELLY TO REMOVE MATERIAL. WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. INGESTION: NONE REQUIRED. DO NOT INDUCE VOMITING. AS PRECAUTION GIVE GLASS OF WATER OR MILK TO DRINK. GET MEDICAL ADVICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: IF EXPOSED TO EXCESSIVE LEVELS, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF COUGHING OR RESPIRATORY DISCOMFORT OCCURS.

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===== Fire Fighting Measures =====
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Flash Point Method: COC
Flash Point: =230.C, 446.F
446-464F MIN.
Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures: THIS MATERIAL WILL BURN ALTHOUGH IT IS NOT EASILY IGNITED.
Unusual Fire/Explosion Hazard: NORMAL COMBUSTION FORMS CARBON DIOXIDE, WATER VAPOR AND MAY PRODUCE OXIDES OF SULFUR, NITROGEN AND PHOSPHORUS. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

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===== Accidental Release Measures =====
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Spill Release Procedures:STOP LEAK AT SOURCE. CLEAN UP SPILL AS SOON AS POSSIBLE, OBSERVING PERSONAL PROTECTION GUIDELINES. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION OF SOIL, SURFACE WATER OR GROUNDWATER. CLEAN UP SMALL SPILLS USING APPROPRIATE TECHNIQUES SUCH AS SORBENT MATERIAL OR PUMPING. WHERE FEASIBLE AND APPROPRIATE, REMOVE CONTAMINATED SOIL. FOLLOW PROCEDURES FOR REPORTING AND RESPONDING TO LARGER SPILLS.

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===== Handling and Storage =====
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Handling and Storage Precautions:DRUM NOT DESIGNED TO CONTAIN PRESSURE. DO NOT USE PRESSURE TO EMPTY DRUM, IT MAY RUPTURE WITH EXPLOSIVE FORCE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (SOLID, LIQUID, AND VAPOR) AND CAN BE DANGEROUS. AVOID CONTAMINATING SOIL OR RELEASING MATERIAL INTO SEWAGE, DRAINAGE SYSTEMS AND BODIES OF WATER.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATI

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ELECTRICITY, OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, PROMPTLY RETURNED TO A DRUM RECONDITIONER OR PROPERLY DISPOSED OF.

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===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NO RESPIRATORY PROTECTION IS NORMALLY REQUIRED. IF USER OPERATIONS GENERATE AN OIL MIST, DETERMINE AIRBORNE CONCENTRATIONS. IF ABOVE RECOMMENDED MINERAL OIL MIST EXPOSURE LIMITS, WEAR NIOSH APPROVED RESPIRATOR THAT PROVIDES ADEQUATE PROTECTION FROM MEASURED CONCENTRATION OF THIS MATERIAL. USE FOLLOWING ELEMENTS FOR AIR-PURIFYING RESPIRATORS: PARTICULATE.

Ventilation:IF OIL MIST GENERATED, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE EXPOSURE BELOW RECOMMENDED LIMITS.

Protective Gloves:MATERIALS FOR PROTECTIVE GLOVES INCLUDE VITON, NITRILE, SILVER SHIELD, 4H.

Eye Protection:NORMALLY

NOT REQUIRED. WEAR SAFETY GLASSES WITH SIDE SHIELDS FOR SPLASHING .

Other Protective Equipment:NO SPECIAL PROTECTIVE CLOTHING IS NORMALLY REQUIRED. WHERE SPLASHING IS POSSIBLE, SELECT PROTECTIVE CLOTHING DEPENDING ON OPERATIONS CONDUCTED, PHYSICAL REQUIREMENTS AND OTHER SUBSTANCES.

Supplemental Safety and Health

CONSIDER THE POTENTIAL HAZARD OF THIS MATERIAL, APPLICABLE EXPOSURE LIMITS, JOB ACTIVITIES, AND OTHER SUBSTANCES IN THE WORK PLACE WHEN DESIGNING ENGINEERING CO

NTROLS AND SELECTING PERSONAL PROTECTIVE

EQUIPMENT. PRODUCT NUMBER(S): CPS232303, CPS232304; 30 GRADE.

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

HCC:V6

Boiling Pt:B.P. Text:NDA

Melt/Freeze Pt:M.P/F.P Text:NDA

Spec Gravity:0.88@15.6/15.6C

Viscosity:11.6-14.3 CST@100C (MIN)

Solubility in Water:INSOLUBLE IN WATER.

Appearance and Odor:DARK AMBER LIQUID

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

Stability Indicator/Materials to Avoid:YES

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AY REACT WITH STRONG OXIDIZING AGENTS , SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Stability Condition to Avoid:NO DATA AVAILABLE.

Hazardous Decomposition Products:NO DATA AVAILABLE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:CHEVRON TOXICOLOGISTS DO NOT BELIEVE THAT THERE IS ANY MUTAGENIC RISK TO WORKERS EXPOSED TO ZDDPS (THE TWO ZINC SALT ADDITIVES). DURING USE IN ENGINES, CONTA

MINATION OF OIL

WITH LOW LEVELS OF CANCER-CAUSING COMBUSTION PRODUCTS OCCURS. USED MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN CANCER IN MICE FOLLOWING REPEATED APPLICATION AND CONTINUOUS EXPOSURE. BRIEF OR INTERMITTENT SKIN CONTACT WITH USED MOT OR OUL IS NOT EXPECTED TO HAVE SERIOUS EFFECs IN HUMANS IF THE OIL IS THOROUGHLY REMOVED BY WASHING WITH SOAP AND WATER. SEE CHEVRON MATERIAL SAFETY SHEET NO. 1793 FOR ADDITIONAL INFORMATION ON USED MOTOR OIL.

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==== Ecological Information =====

Ecological:ECOTOXICITY: NO DATA AVAILABLE. ENVIRONMENTAL FATE: THIS MATERIAL IS NOT EXPECTED TO BE READILY BIODEGRADABLE. OIL COLLECTION SERVICES AND COLLECTION CENTERS ARE AVAILABLE FOR USED MOTOR OIL RECYCLING OR DISPOSAL. SOME SERVICE STATIONS, AUTOMOTIVE SERVICE CENTERS, AND RETAILERS PROVIDE MOTOR OIL COLLECTION FACILITIES. EU RISK AND SAFETY LABEL PHRASES: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

==== Disposal Considerations =====

Waste Disposal Methods:PLACE CONTAMINATED MATERIALS IN CONTAINERS AND DISPOSE OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS. CONTACT YOUR SALES REPRESENTATIVE OR LOCAL ENVIRONMENTAL OR HEALTH AUTHORITIES FOR APPROVED DISPOSAL OR RECYCLING METHODS.

==== MSDS Transport Information =====

Transport Information:PETROLEUM LUBRICATING OIL IS NOT HAZARDOUS BY U.S. DOT.

ADR/RID HAZARD CLASS- NOT APPLICABLE. DOT SHIPPING NAME:

NONE. DOT HAZARD CLASS: NONE. DOT IDENTIFICATION NUMBER: NONE. DOT PACKING GROUP: N/A. THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL SHIPPING SITUATIONS. CONSULT 49 CFR, OR APPROPRIATE DANGEROUS GOODS REGULATIONS, FOR ADDITIONAL DESCRIPTION REQUIREMENTS (E.G./ TECHNICAL NAME) AND MODE-SPECIFIC OR QUANTITY-SPECIFIC SHIPPING REQUIREMENTS.

==== Regulatory Information =====

SARA Title

Section III Information:SARA 311 CATEGORIES:1. IMMEDIATE (ACUTE)

HEALTH EFFECTS: NO; 2. DELAYED (CHRONIC) HEALTH EFFECTS: NO; 3.

FIRE HAZARD: NO; 4. SUDDEN RELEASE OF PRESSURE HAZARD: NO; 5.

REACTIVITY HAZARD: NO. SARA 313: ZINC ALKARYL DITHIOPHOSPHATE IS LISTED. PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS IS LISTED

Federal Regulatory Information:ALL THE COMPONENTS OF THIS MATERIAL ARE ON THE TOXIC SUBSTANCES CONTROL ACT CHEMICAL SUBSTANCES INVENTORY.
State

Regulatory Information: NJ RTK: PHOSPHORODITHIOIC
ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS IS LISTED. NEW JERSEY
RTK CLASSIFICATION: UNDER THE NEW JERSEY RIGHT-TO-KNOW ACT L.
CHAPTER 315 N.J.S.A. 34:5A-1 ET. SQ., THE PRODUCT IS TO BE
IDENTIFIED AS FOLLOWS: PETROLEUM OIL.

===== Other Information =====

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