

CHEVRON USA PRODUCTS CO ENVIRONMENTAL, SAFETY, HEALTH -- CPS235118, CPS238052,
CHEVRON DELO 400 SAE 30 -- 9150-00-189-6729

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Product Identification
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Product ID:CPS235118, CPS238052, CHEVRON DELO 400 SAE 30

MSDS Date:09/28/1994

FSC:9150

NIIN:00-189-6729

Status Code:A

MSDS Number: CLQHM

=== Responsible Party ===

Company Name:CHEVRON USA PRODUCTS CO ENVIRONMENTAL, SAFETY, HEALTH

Address:575

MARKET ST

Box:2900

City:SAN FRANCISCO

State:CA

ZIP:94105-2856

Country:US

Info Phone Num:800-228-3500/800-582-3835

Emergency Phone Num:800-231-0623; 510-231-0623

Resp. Party Other MSDS Num.:005599 REV. 3

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:UO559

=== Contractor Identification ===

Company Name:CHEVRON USA PRODUCTS CO ENVIRONMENTAL, SAFETY, HEALTH

Address:575 MARKET ST

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ZIP:94105-2856

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Phone:800-228-3500/800-582-3835

CAGE:

UO559

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Composition/Information on Ingredients
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Ingred Name:ZINC ALKYL DITHIOPHOSPHATE CHEMICAL NAME: PHOSPHORODITHIOIC
ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS

CAS:68649-42-3

< Wt:1.6

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE

CAS:64742-65-0

RTECS #:PY8038500

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:S

EVERELY REFINED PETROLEUM DISTILLATE

CAS:72623-83-7

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:ADDITIVE INCLUDING THE FOLLOWING

< Wt:20.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REF

INED PETROLEUM DISTILLATE

CAS:64742-62-7

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE

CAS:64742-53-6

RTECS #:PY8036000

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE

CAS:64742-01-4

Fraction by Wt: SEE ING #1%

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE
CAS:64742-52-5
RTECS #:PY8035000
Fraction by Wt: SEE ING #1%
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE
CAS:64741-97-5
RTECS #:PY8041000
Fraction by Wt: SEE ING #1%
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE
CAS:64741-96-4
RTECS #:PY8040000
Fraction by Wt: SEE ING #1%
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE
CAS:64741-89-5
RTECS #:PY8041500
Fraction by Wt: SEE ING #1%
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SEVERELY REFINED PETROLEUM DISTILLATE
CAS:64741-88-4
RTECS #:PY8040500
Fraction by Wt: SEE ING#1%
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:LUBRICATING BASE OIL (MAY BE A MIXTURE OF THE FOLLOWI

NG)
> Wt:80.
Other REC Limits:NOT PROVIDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)
ACGIH STEL:10 MG/M3 (OIL MIST)

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

LD50 LC50 Mixture:NOT PROVIDED
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: THIS SUBSTANCE IS NOT EXPECTED TO CAUSE PROLONGED/SIGNIFICANT IRRITATION. SKIN: THIS SUBSTANCE IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT SKIN IRRITATION. THE SYSTEMIC TOXICITY OF THIS SUBSTANCE HAS NOT BEEN DETERMINED. HOWEVER, IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL ORGANS IF IT GETS ON THE SKIN. INGESTION: THE SYSTEMIC TOXICITY OF THIS SUBSTANCE HAS NOT BEEN DETERMINED. IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL ORGANS. INHALATION: THE SYSTEMIC TOXICITY HAS NOT BEEN DETERMINED. IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL ORGANS. PROLONGED/REPEATED BREATHING OF MIST CAN CAUSE RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: RESPIRATORY TRACT IRRITATION MAY INCLUDE, BUT MAY NOT BE LIMITED TO, ONE OR MORE OF THE FOLLOWING: NASAL DISCHARGE, SORE THROAT, COUGHING, BRONCHITIS, PULMONARY EDEMA AND DIFFICULTY IN BREATHING.
Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE: FLUSH EYES WITH WATER FOR 15 MINUTES. REMOVE CONTACT LENSES IF WORN. SKIN: WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING. INGESTION: IF SWALLOWED, GIVE WATER OR MILK TO DRINK AND TELEPHONE FOR MEDICAL ADVICE. CONSULT MEDICAL PERSONNEL BEFORE INDUCING VOMITING. IF MEDICAL ADVICE CANNOT BE OBTAINED, THEN TAKE THE PERSON AND PRODUCT CONTAINER TO THE NEAREST MEDICAL EMERGENCY TREATMENT CENTER OR HOSPITAL. INHALATION: IF RESPIRATORY DISCOMFORT OR IRRITATION OCCURS, MOVE THE PERSON TO FRESH AIR. SEE A DOCTOR IF DISCO

MFORT OR
IRRITATION CONTINUES.

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

Flash Point Method:COC

Flash Point:=215.C, 419.F

MIN

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:CO2, DRY CHEMICAL, FOAM, AND WATER FOG.

Fire Fighting Procedures:FOR FIRES INVOLVING THIS MATERIAL, DO NOT
ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE
EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:STOP THE SOURCE OF THE LEAK OR RELEASE. CLEAN
UP RELEASES AS SOON AS POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER
CONTAMINATION OF SOIL, SURFACE WATER OR GROUNDWATER. CLEAN UP
SMALL SPILLS USING APPROPRIATE TECHNIQUES SUCH AS SORBENT
MATERIALS OR PUMPING. WHERE FEASIBLE AND APPROPRIATE, REMOVE
CONTAMINATED SOIL. FOLLOW PRESCRIBED PROCED

URES FOR REPORTING AND

RESPONDING TO LARGER RELEASES

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:CAUTION! DO NOT USE PRESSURE TO EMPTY
DRUM OR DRUM MAY RUPTURE WITH EXPLOSIVE FORCE. DO NOT WELD, HEAT,
OR DRILL CONTAINER. RESIDUE MAY IGNITE WITH EXPLOSIVE VIOLENCE IF
HEATED SUFFICIENTLY.

Other Precautions:NOT PROVIDED

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

Resp

iratory Protection:NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY REQUIRED. IF OPERATING CONDITIONS CREATE AIRBORNE CONCENTRATIONS WHICH EXCEED THE RECOMMENDED EXPOSURE STANDARDS, THE USE OF AN APPROVED RESPIRATOR IS REQUIRED.

Ventilation:USE ADEQUATE VENTILATION TO KEEP THE AIRBORNE CONCENTRATIONS OF THIS MATERIAL BELOW THE RECOMMENDED EXPOSURE STANDARD.

Protective Gloves:WEAR PROTECTIVE GLOVES TO MINIMIZE CONTACT

Eye Protection:NO SPECIAL EYE PROTECTION IS USUALLY NECESSARY

Other Protective Equipment:SKIN CONTACT CAN BE MINIMIZED BY WEARING PROTECTIVE CLOTHING.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT AVAILABLE

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

NOT AVAILABLE

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT AVAILABLE

Vapor Density:N/AV

Spec Gravity:0.88

Viscosity:11.6CST @ 100C

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK BROWN LIQUID

Percent Volatiles by Volume:N/AV

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES,

PEROXIDES, ETC.

Stability Condition to Avoid:NO DATA AVAILABLE

Hazardous Decomposition Products:NORMAL COMBUSTION FORMS CARBON DIOXIDE AND WATER VAPOR AND MAY PRODUCE

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

Toxicological Information:THIS PRODUCT CONTAINS ZINC ALKYL DITHIOPHOSPHATES (ZDDPS). SEVERAL ZDDPS HAVE BEEN REPORTED TO HAVE WEAK MUTAGENIC ACTIVITY IN CULTURED MAMMALIAN CELLS BUT ONLY AT CONCENTRATIONS THAT WERE TOXIC TO THE TEST CELLS. WE DO NOT BELIEVE THAT THERE IS ANY MUTAGENIC RISK TO WORKERS EXPOSED TO ZDDPS. USED MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN CANCER IN MICE FOLLOWING REPEATED APPLICATION AND CONTINUOUS EXPOSURE.

===== Ecological Information =====

Ecological:ECOTOXICITY: NO DATA AVAILABLE. ENVIRONMENTAL FATE: THIS MATERIAL IS NOT EXPECTED TO PRESENT ANY ENVIRONMENTAL TOXICITY PROBLEMS OTHER THAN THOSE ASSOCIATED WITH OIL SPILLS.

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

Waste Disposal Methods:OIL COLLECTION SERVICES AND COLLECTION CENTERS ARE AVAILABLE FOR USED MOTOR OIL RECYCLING OR DISPOSAL. 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:THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL SHIPPING SITUATIONS. CONSULT 49CFR, OR APPROPRIATE DANGEROUS GOODS REGULATIONS, FOR ADDITIONAL DESCRIPTION REQUIREMENTS (E.G., TECHNICAL NAME) AND MODE-SPECIFIC OR QUANTITY-SPECIFIC SHIPPING REQUIREMENTS. DOT SHIPPING NAME: NONE DOT HAZARD CLASS: NONE DOT IDENTIFICATION NUMBER: NONE DOT PACKING GROUP: NOT APPLICABLE ADDITIONAL INFO: PETROLEUM LUBRICATING OIL - NOT HAZARDOUS BY U.S. DOT

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==== Regulatory Information =====

SARA Title 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: PHOSPHORODITHIOIC
ACID,O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:
on:PHOSPHORODITHIOIC ACID,O,O-DI-C1-14-ALKYL
ESTERS, ZINC SALT IN NJ RTK

==== Other Information =====

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particular situation.