

CHEVRON PRODUCTS COMPANY LUBRICANTS AND SPECIALTY PRODUCTS -- CHEVRON DELO
400 -- 9150-00-189-6729

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

Product ID:CHEVRON DELO 400

MSDS Date:11/08/2000

FSC:9150

NIIN:00-189-6729

Status Code:A

MSDS Number: CLNDD

=== Responsible Party ===

Company Name:CHEVRON PRODUCTS COMPANY LUBRICANTS AND SPECIALTY PRODUCTS

Address:6001 BOLLINGER CANYON RD

City:SAN RAMON

State:CA

ZI

P:94583

Country:US

Info Phone Num:800-231-0623

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:81230

=== Contractor Identification ===

Company Name:CHEVRON PRODUCTS COMPANY LUBRICANTS AND SPECIALTY PRODUCTS

Address:6001 BOLLINGER CANYON RD

Box:City:SAN RAMON

State:CA

ZIP:94583

Country:US

Phone:800-414-6737 / 800-582-3835

CAGE:81230

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

Ingred Name:LUBRICATING BASE OIL SEVERLY REFINED PETROLEUM
DISTILLA

TE(SEE SUPPLEMENTAL DATA)

> Wt:75.

Other REC Limits:ACGIH TWA GM5/M3MIST

OSHA PEL:5 MG/M3 (MIST)

OSHA STEL:10 MG/M3(MIST)

Ingred Name:PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC
SALTS

CAS:68649-42-3

< Wt:1.6

Ingred Name:NON SPECIFIED ADDITIVES

< Wt:25.

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

Reports of Carcinogenicity:NTP:NO IARC:NO

Health Hazards Acute and Chronic:EYE: NOT EXPECTED TO CAUSE PROLONGED
OR SIGNIFICANT EYE IRRITATION

. SKIN: CONTACT WITH THE SKIN IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT IRRITATION. NOT EXPECTED TO BE HARMFUL TO INTERNAL ORG ANS 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 FO LLOWEING PROLONGED OR REPEATED INHALATION OF OIL MIST AT AIRBORNE LEVELS ABOVE THE RECOMMENDED MINERAL OIL MIST EXPOSURE LIMIT.

Effects

of Overexposure:EYE: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE IRRITATION. SKIN: CONTACT WITH THE SKIN IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT IRRITATION. NOT EXPECTED TO BE HARMFUL TO INTERNAL ORG ANS 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 FO LLOWEING PROLONGED OR REPEATED INHALATION OF OIL MIST AT AIRBORNE LEVELS ABOVE THE RECOMMENDED MINERAL OIL MIST EXPOSURE LIMIT.

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

First Aid:EYE: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED BECAUSE THIS MATERIAL IS NOT EXPECTED TO CAUSE EYE IRRITATION. AS A PRECAUTION REMOVE CONTACT LENSES, IF WORN, AND FLUSH EYES WITH WATER. SKIN: THIS M ATERIAL IS NOT EXPECTED TO BE HARMFUL IF IT CONTACTS THE SKIN. AS A PRECAUTION, REMOVE CLOTHING AND SHOES IF CONTAMINATED.

WASH SKIN WITH SOAP AND WATER. WASH OR CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. INGESTION;THIS MATERIAL IS NOT EXPECTED TO HARMFUL IF SWALLOWED, DO NOT INDUCE VOMITING.GIV THE PERSON A GLASS OF WATER OR MIK TO DRINK AND GET MEDICAL ADVICE. INHALATION; MOVE THE EXPOS ED PERSON TO FRESH AIR.GET MEDICAL ATTEN

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

Flash Point Method:COC

Flash Point:=200.C, 392.F

Autoignition Temp:Autoignition Temp Text:

NDA

Lower Limits:NA

Upper Limits:NA

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

Fire Fighting Procedures:THIS MATERIAL WILL BURN ALTHOUGH IT IS NOT EASILY IGNITED. FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRES SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT, INCLUDING SELF-CON TAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NORMAL COMBUSTION FORMS CARBON DIOXIDE AND WATER VAPOR AND MAY PRODUCE OXIDES OF SULFUR, NITROGEN, PHOSP

HORUS, AND BORON. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

===== 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 SOI

L. FOLLOW PRESCRIBED PROCEDURES FOR REPORTING AND RESPONDING TO LARGER RELEASES.

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

Handling and Storage Precautions:CONTAINER IS NOT DESIGNED TO CONTAIN PRESSURE. DO NOT USE PRESSURE EMPTY CONTAINER OR IT MAY RUPTURE WITH EXPLOSIVE FORCE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (SOLID, LIQUID, AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, (SEE BELOW, OTHER PRECAU)

Other Precautions:OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY CONTAINERS SHOULD BE COMPLETELY DRAINED, PROPERLY CLOSED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF.

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

Respiratory Protection:NO RESPIRATORY PROTECTION IS NORMALLY REQUIRED.

IS USER OPERATIONS GENERATE AN OIL MIST, DETERMINE IF AIRBORNE CONCENTRATIONS ARE BELOW THE RECOMMENDED MINERAL OIL MIST EXPOSURE LIMITS. IF NOT WEAR A NIOSH APPROVED RESPIRATOR THAT PROVIDES ADEQUATE PROTECTION FORM MEASURED CONCENTRATIONS OF THIS MATERIAL.USE AIR-PURIFYING RESPIRATOR: PARTICULATE.

Ventilation:LOCAL EXHAUST.

Protective Gloves:VITON, NITRILE, SILVER SHIELD, 4H.

Eye Protection:WHERE SPLASHING IS POSSIBLE: SAFETY GLASSES WITH SIDE SHIELDS

Supplemental Safety and Health
THE BASE OIL MAY BE

A MIXTURE OF THE FOLLOWING; CAS
64741884,CAS64741895,CAS64741964,CAS64741975,CAS64742014,CAS6474252
5,CAS64742536,CAS64742547,CAS64742627,CAS64742650,OR CAS 72623837.

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

HCC:V6
Boiling Pt:>315.6C, 600.F
Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Pres:AIR
Spec Gravity:0.87-0.89
VOC Pounds/Gallon:9
pH:NA
Viscosity:5.9-18.6 CST@100C
Solubility in Water:INSOLUBLE
Appearance and Odor:DARK BROWN LIQUID

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

Stability Indicator/Materials to Avoid:YES
MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATED, NITRATES,
PEROXIDES, ETC.
Stability Condition to Avoid:NO DATA AVAILABLE
Hazardous Decomposition Products:H2S MAY BE RELEASED AT HIGH
TEMPERATURES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:THIS PRODUCT CONTAINS PETROLEUM BASE OILS
WHICH MAY
BE REFINED BY VARIOUS PROCESSES INCLUDING SEVERE SOLVENT
EXTRACTION, SEVERE HYDROCRACKING, OR SEVERE HYDRDOTREATING.NONE OF
THE OILS REQUIRES A CANCER WARNING UNDER THE OSHA HAZARD
COMMUNICATION STANDARD (29 CFR 1910.1200).THESE OILS HAVE NOT BEEN
LISTED IN THE NATIONAL NTP ANNUAL REPORT NOR HAVE THEY BEEN
CLASSIFIED BY IARC AS CARCINOGENIC TO HUMANS. THIS PRODUCT
CONTAINS ZINC ALKYL DITHIOPHOSPHATES(ZDDP).SEVERAL ZDDP HAVE BEEN
REPORTED TO HAVE AWEAK MUTAGENIC ACTIV

ITY IN CELLS. USED MOTOR OILS
CAUSES CANCER IN MICE IN CONTINUOUS EXPOSURE.

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Ecological Information
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Ecological:THE TOXICITY OF THIS MATERIAL TO ACQUATIC ORGANISMS HAS NOT BEEN EVALUATED. CONSEQUENTLY THIS MATERIAL SHOULD BE KEPT OUT OF SEWAGE AND DRAINAGE SYSTEMS AND ALL BODIES OF WATER. THIS MATERIAL IS NOT EXPECTED TO BE READILY BIODEGRADABLE.

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Disposal Considerations
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Waste Disposal Met

hods: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.

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MSDS Transport Information
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Transport Information:DOT SHIPPING NAME: NONE. DOT HAZARD CLASS: NONE.

DOT IDENTIFICATION NUMBER:NONE. ADDITIONAL INFO: PETROLEUM LUBRICATING OIL-NOT HAZARDOUS BY U.S.DOT.AIR/RID CLASS-NOT APPLICABLE.

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Regulatory Information
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SARA Title III Information:IMMEDIATE (ACUTE) HEALTH EFFECTS:NO. DELAYED (CHRONIC) HEATH EFFECTS:NO FIRE HAZARD:NO SUDDEN RELEASE OF PRESSURE HAZARD:NO. REACTIVITY HAZARD:NO

Federal Regulatory Information:THE FOLLOWING COMPONENTS OF THIS MATEIAL ARE FOUND ON THE REGULATOR

Y LISTS INDICATED. PHOSPHORODITHIOIC ACID,O,O-DI-CI-14-ALKYL ESTERS, ZINC SALTS IS FOUND ON LISTS 01,11, SEVERLY REFINED PETROLEUM DIS TILLATE IS FOUND ON LISTS 14,15,17, NEW JERSEY RTK CLASSIFICATION: UNDER THE NEW JERSEY RIGHT TO KNOW ACT L. 1983 CHAPTER 315 N.J.S.A.34:5A-1 ET.SEQ., THE PRODUCT IS TO BE IDENTIFIED AS FOLLOWS: PETRO LEUM OIL.WHMIS CLASSIFICATION: THIS PRODUCT IS NOT CONSIDERED A CONTROLLED PRODUCT ACCORDING TO THE CRITERIA OF THE CANADIAN CONTROLLED

PRODUCTS REGULATIONS.

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

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