



Material Safety Data Sheet

- Click on the product name to go to the Salesfax description sheet.
- Click on the grade to go to the Salesfax typical test data sheet.

Chevron Delo® Gear Lubricant SAE 80W-90

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON DELO GEAR Lubricant SAE 80W-90

PRODUCT NUMBER(S): CPS224503 CPS238131

COMPANY IDENTIFICATION EMERGENCY TELEPHONE NUMBERS

Chevron USA Products Company HEALTH (24 hr): (800)231-0623 or
Environmental, Safety, and Health (510)231-0623 (International)
575 Market St., Room 2900 TRANSPORTATION (24 hr): CHEMTREC
San Francisco, CA 94105-2856 (800)424-9300 or (202)483-7616

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-1899
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON DELO GEAR Lubricant SAE 80W-90

CONTAINING

COMPONENTS AMOUNT LIMIT/QTY AGENCY/TYPE

LUBRICATING BASE OIL
SEVERELY REFINED PETROLEUM DISTILLATE
> 90.0% 5 mg/m³ (mist) ACGIH TWA
10 mg/m³ (mist) ACGIH STEL
5 mg/m³ (mist) OSHA PEL

The BASE OIL may be a mixture of any of the following: CAS
64741884,
CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS
64742525,
CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, or CAS
72623837.

ADDITIVES
< 10.0%

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604
NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard
(29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the
Toxicology
and Health Risk Assessment Unit, CRTIC, P.O. Box 4054, Richmond, CA
94804
CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 2 of 7

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances
Control
Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The
ACGIH
TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

TLV - Threshold Limit Value TWA - Time Weighted Average
STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity
RQ - Reportable Quantity PEL - Permissible Exposure Limit
C - Ceiling Limit CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories () - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:

This substance is not expected to cause prolonged or significant
eye
irritation. This hazard evaluation is based on the data from
similar
materials.

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. This hazard evaluation is based on data from similar materials.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on data from similar materials.

4. FIRST AID MEASURES

EYE:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN:

No first aid procedures are required. As a precaution, 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:

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604
NDA - No Data Available NA - Not Applicable
CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 3 of 7

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: COC 338F (170C) Min.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

For fires involving this material, do not enter any enclosed or confined

fire space without proper protective equipment, including self-contained

breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides

of sulfur and nitrogen. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616

ACCIDENTAL RELEASE MEASURES:

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 procedures for

reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

DO NOT weld, heat or drill container. Residue may ignite with explosive

violence if heated sufficiently. CAUTION! Do not use pressure to empty

drum or drum may rupture with explosive force.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604

NDA - No Data Available NA - Not Applicable

CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 4 of 7

frequently repeated skin contact with this material. Skin contact can be

minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create high airborne concentrations, the use of an

approved respirator is recommended.

ENGINEERING CONTROLS:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Amber to dark brown liquid.

pH: NDA

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: NA

FREEZING POINT: NDA

MELTING POINT: NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.89 @ 15.6/15.6C

DENSITY: NDA

EVAPORATION RATE: NA

VISCOSITY: 14 cSt @ 100C (Min.)

PERCENT VOLATILE

(VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604

NDA - No Data Available NA - Not Applicable

CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 5 of 7

SKIN EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE ORAL EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE INHALATION EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various

processes including severe solvent extraction, severe hydrocracking, or

severe hydrotreating. 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 Toxicology Program (NTP) Annual

Report nor have they been classified by the 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).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

ENVIRONMENTAL FATE:

This material is not expected to present any environmental
problems other
than those associated with oil spills.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Place contaminated materials in disposable containers and dispose
of in a
manner consistent with applicable regulations. Contact local
environmental or health authorities for approved disposal of this
material.

14. 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: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE
FEDERAL DOT

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604

NDA - No Data Available NA - Not Applicable

CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 6 of 7

DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY 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

REGULATORY LISTS SEARCHED:

01=SARA 313 11=NJ RTK 21=TSCA Sect 4(e)
02=MASS RTK 12=CERCLA 302.4 22=TSCA Sect 5(a)(e)(f)
03=NTP Carcinogen 13=MN RTK 23=TSCA Sect 6
04=CA Prop 65-Carcin 14=ACGIH TWA 24=TSCA Sect 12(b)
05=CA Prop 65-Repro Tox 15=ACGIH STEL 25=TSCA Sect 8(a)
06=IARC Group 1 16=ACGIH Calc TLV 26=TSCA Sect 8(d)
07=IARC Group 2A 17=OSHA PEL 28=Canadian WHMIS
08=IARC Group 2B 19=Chevron TWA 29=OSHA CEILING
09=SARA 302/304 20=EPA Carcinogen 30=Chevron STEL
10=PA RTK

The following components of this material are found on the regulatory lists indicated.

SEVERELY REFINED PETROLEUM DISTILLATE is found on lists: 14,15,17,

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

This Material Safety Data Sheet has been revised to comply with the ANSI Z400.1 Standard.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility-

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604
NDA - No Data Available NA - Not Applicable
CHEVRON DELO GEAR Lubricant SAE 80W-90 Page 7 of 7

ity for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 1 Revision Date: 09/03/93 MSDS Number: 004604
NDA - No Data Available NA - Not Applicable