



# Material Safety Data Sheet

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### CHEVRON NRR Grease 159

PRODUCT NUMBER(S): CPS255860

#### COMPANY IDENTIFICATION

Chevron USA Products Company  
Environmental, Safety, and Health  
Room 2900  
575 Market St.  
San Francisco, CA 94105-2856

#### EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or  
(510)231-0623 (International)  
TRANSPORTATION (24 hr): CHEMTREC  
(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 NRR Grease 159

#### CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
FRACTIONATION OVERHEAD, MID Chemical Name: AROMATIC OIL-SYNTHETIC CAS68515297	> 80.0%	NONE	NA
ADDITIVES INCLUDING THE FOLLOWING < 20.0%			
DIALKYL SELENIDE Chemical Name: SELENIUM COMPOUNDS, N.O.S. CAS7782492	< 1.0%	0.2 mg/m3 0.2 mg/m3 100 LBS	ACGIH TWA OSHA PEL CERCLA 302.4 RQ

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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, CRTC, P.O. Box 4054, Richmond, CA 94804

**COMPOSITION COMMENT:**

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

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
Al-5 - Appendix A Categories	() - Change Has Been Proposed

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**3. HAZARDS IDENTIFICATION**

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**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. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part. Read the Toxicology Information section (11) of this document for more information.

**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. Read the Toxicology Information section (11) of this document for more information.

**INHALATION:**

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. Fumes from the hot material can be unpleasant and may produce nausea and irritation of the upper respiratory tract. This hazard evaluation is based on data from similar materials.

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**4. FIRST AID MEASURES**

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**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:**

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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:**

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

**NOTE TO PHYSICIANS:**

In an accident involving high pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometime bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

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**5. FIRE FIGHTING MEASURES**

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**FLAMMABLE PROPERTIES:**

FLASH POINT: NDA

AUTOIGNITION: NDA

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

**EXTINGUISHING MEDIA:**

CO<sub>2</sub>, Dry Chemical, Foam, Water Fog

**NFPA RATINGS: Health 2; 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 and water vapor and may produce oxides of nitrogen and toxic chlorine compounds. Combustion may produce toxic compounds of selenium. Incomplete combustion can produce carbon monoxide.

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**6. ACCIDENTAL RELEASE MEASURES**

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

**ACCIDENTAL RELEASE MEASURES:**

Clean up spills immediately, observing precautions in Exposure Controls/ Personal Protection section.

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**7. HANDLING AND STORAGE**

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

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violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or drum may rupture with explosive force.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS

No special ventilation is usually necessary. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed.

### 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 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 airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### PHYSICAL DESCRIPTION:

A brown to reddish-brown grease.

pH:	NDA
VAPOR PRESSURE:	<1 mm Hg @ 37.8C
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NA
MELTING POINT:	280C (Min.)
SOLUBILITY:	Partially soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.9 @ 15.6/15.6C
EVAPORATION RATE:	NA
VISCOSITY:	64 cSt @ 40C
PERCENT VOLATILE (VOL):	NA

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## 10. STABILITY AND REACTIVITY

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### HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

### CHEMICAL STABILITY:

Stable.

### CONDITIONS TO AVOID:

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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.

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**11. TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:**

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

**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 synthetic base oils not refined from petroleum base stocks. The potential of base oil prepared by this process to cause cancer has not been specifically addressed by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the International Agency for Research on Cancer (IARC), nor the National Toxicology Program (NTP) Annual Report. However, the process conditions, chemical analysis, and the results of mutagenicity tests all support our opinion that these oils should not cause skin cancer.

This product contains a selenium compound and may be harmful if swallowed or absorbed through the skin in excessive amounts. Selenium compounds in the body cause the following signs and symptoms: pallor, gastrointestinal disturbances, nervousness, metallic taste and garlicky odor of the breath.

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICITY:**

No data available.

**ENVIRONMENTAL FATE:**

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

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**13. DISPOSAL CONSIDERATIONS**

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Oil collection services are available for used oil recycling or disposal.

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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.

#### 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  
DOT PACKING GROUP: NOT APPLICABLE

#### 15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	YES
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

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

SELENIUM COMPOUNDS, N.O.S.

is found on lists: 01,02,10,11,12,13,14,17,28,

**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:  
Petroleum Oil (Grease)

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16. OTHER INFORMATION

NFPA RATINGS: Health 2; 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:

Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

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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 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.