

Phy Plant



Material Safety Data Sheet

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON RPM Automotive LC Grease EP NLGI 1

PRODUCT NUMBER(S): CPS226455

COMPANY IDENTIFICATION

Chevron Products Company
Global Lubricants
555 Market St.
Room 1131
San Francisco, CA 94105-2870

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 RPM Automotive LC Grease EP NLGI 1

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QT	AGENCY/TYPE
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LUBRICATING BASE OIL CONTAINING ONE OR MORE OF THE FOLLOWING
> 70.0%

SOLVENT REFINED DIST., HVI PAR

Chemical Name: DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC
CAS64741884
5 mg/m3 (mist) ACGIH TWA
10 mg/m3 (mist) ACGIH STEL
5 mg/m3 (mist) OSHA PEL

SOLVENT DEWAXED DIST., HVI PAR

Chemical Name: DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
CAS64742650
5 mg/m3 (mist) ACGIH TWA
10 mg/m3 (mist) ACGIH STEL

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5 mg/m3 (mist) OSHA PEL

SOLVENT DEWAXED RESIDUAL OIL

Chemical Name: RESIDUAL OILS SOLVENT DEWAXED
CAS64742627

5 mg/m3 (mist) ACGIH TWA
10 mg/m3 (mist) ACGIH STEL
5 mg/m3 (mist) OSHA PEL

LITHIUM BASE THICKENERS

< 25.0%

ADDITIVES INCLUDING THE FOLLOWING

< 5.0%

ZINC ALKYL DITHIOPHOSPHATE

Chemical Name: PHOSPHORODITHIOIC ACID, O,O-DI-CL-14-ALKYL ESTERS, ZINC SALT
CAS68649423

NA

COMPOSITION COMMENT:

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:

The eye irritation potential of this substance has not been determined. However, it is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.

SKIN:

The skin irritation potential of this substance has not been determined. However, it is not expected to cause prolonged or significant skin irritation. 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.

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. Prolonged or repeated breathing of petroleum oil mist can cause respiratory irritation. This hazard evaluation is based on data from similar materials.

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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:

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.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: NDA

AUTOIGNITION: NDA

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

CO₂, dry chemical, foam and 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 and water vapor and may produce oxides of sulfur and phosphorus. Normal combustion forms oxides of calcium and zinc. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)463-7616

ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately.

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7. HANDLING AND STORAGE

Do not store at temperatures above 120F (49C). 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

ENGINEERING CONTROLS

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

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Green grease.

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: 0.91 @ 15.6/15.6C

EVAPORATION RATE: NA

VISCOSITY: NDA

PERCENT VOLATILE (VOL): NA

10. STABILITY AND REACTIVITY

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13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used 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.

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

DOT HAZARD CLASS: FEDERAL DOT

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: | 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 | 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.

DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC
is found on lists: 14,15,17,
RESIDUAL OILS SOLVENT DEWAXED

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HAZARDOUS DECOMPOSITION PRODUCTS:

NA.

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:

None.

11. TOXICOLOGICAL INFORMATION**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 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).

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.

12. ECOLOGICAL INFORMATION**ECOTOXICITY:**

No data available.

ENVIRONMENTAL FATE:

This material is not expected to present an environmental problem.

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is found on lists: 14,15,17,
DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
is found on lists: 14,15,17,
PHOSPHORODITHIOIC ACID, O,O-DI-CI-14-ALKYL ESTERS, ZINC SALTS
is found on lists: 01,11,

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)

16. OTHER INFORMATION**NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;**

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal
Protection Equipment Index recommendation, *- Chronic Effect
Indicator). 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 is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

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

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.

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