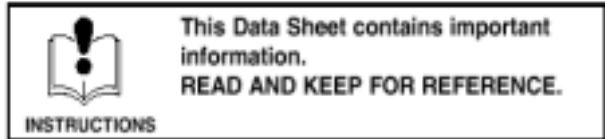


# Material Safety Data Sheet



**309-031**

Rev. C  
Updated: 7/03



## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Lubricant Grease

### Emergency Information

**Chemical Name:** Grease

**Manufacturer / Supplier**

Health Emergency (RMPC): (303)– 623–5716

Graco Inc.

P.O. Box 1441

Chemical Spills (Chemtrec): (800)– 424–9300

60 11th Ave. NE

Minneapolis, MN 55440–1441

**Graco P/N:** 116553

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

---

100.0 % Grease

### CONTAINING

#### COMPONENTS AMOUNT LIMIT/QTY AGENCY/TYPE

HYDROTREATED DIST., HVY PARA

Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS64742547 > 80.00% 5 mg/m<sup>3</sup> (mist) ACGIH TWA

10 mg/m<sup>3</sup> (mist) ACGIH STEL

5 mg/m<sup>3</sup> (mist) OSHA PEL

POLYUREA THICKENERS

< 10.00%

### ADDITIVES

< 10.00%

### 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/m<sup>3</sup>, the OSHA PEL is 5 mg/m<sup>3</sup>.

---

### 3. HAZARDS IDENTIFICATION

---

#### IMMEDIATE HEALTH EFFECTS

##### EYE:

Not expected to cause prolonged or significant eye irritation.

##### SKIN:

Contact with the skin is not expected to cause prolonged or significant irritation. May cause skin discoloration. Not expected to be harmful to internal organs if absorbed through the skin. 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:

Not expected to be harmful if swallowed.

##### INHALATION:

Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

---

### 4. FIRST AID MEASURES

---

##### 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:

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

##### INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

##### INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

##### 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, sometimes 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

---

### FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

### FLAMMABLE PROPERTIES:

FLASH POINT: >500F (>260C)

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:

This material will burn although it is not easily ignited. 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 Mg, N, and Zn. Incomplete combustion can produce carbon monoxide.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887

International Collect Calls Accepted

### ACCIDENTAL RELEASE MEASURES:

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

---

## 7. HANDLING AND STORAGE

---

Container is not designed to contain pressure. Do not use pressure to 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, 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. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

### ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION:

No special eye protection is normally required.

#### SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Nitrile> <Silver Shield> <Viton>

#### RESPIRATORY PROTECTION:

No respiratory protection is normally required. If 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 from measured concentrations of this material. Use the following elements for air-purifying respirators: particulate.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### PHYSICAL DESCRIPTION:

Green grease.

pH: NA

VAPOR PRESSURE: <1 mm Hg @ 40C

VAPOR DENSITY

(AIR=1): Heavier than air.

BOILING POINT: >700F (>371C)

MELTING POINT: 215C (Min) Dropping Point

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.92 @ 20/20C

VOLATILE ORGANIC

COMPOUNDS (VOC): < 1.0 (wt. %), 9.2 g/l approx.

VISCOSITY: 11.8 cSt @ 100C Extracted Oil

---

## 10. STABILITY AND REACTIVITY

---

### HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

### 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:

The mean 24-hour Draize eye irritation score in rabbits is 1.67/110.

### SKIN EFFECTS:

For a 4-hour exposure, the Primary Irritation Index (PII) in rabbits is: 1.3. The acute dermal LD50 in rats is >5.0 g/kg. This material did not cause sensitization reactions in a Modified Buehler guinea pig test.

### ACUTE ORAL EFFECTS:

The acute oral LD50 in rats is >5.0 g/kg.

### ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data for a similar material.

### 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:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

### ENVIRONMENTAL FATE:

This material is not expected to be readily biodegradable.

---

### 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: NONE

DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

ADDITIONAL INFO: Petroleum Lubricating Grease - Not hazardous by US DOT.

ADR/RID Hazard Class - 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 31=OSHA STEL

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

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

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:

Petroleum Oil (Grease)

#### WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

---

## 16. OTHER INFORMATION

---

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;  
HMIS 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 revision updates Sections 1, 5, 7, 8, 9, 10, 12, and 15.

### 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  
A1-5 - 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 1627, Richmond, CA 94804

\*\*\*\*\*

<b>Prepared By</b>	Graco, Inc.
--------------------	-------------

This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

**NOTES:** NA = Not Applicable; NE = Not Established; UN = Unavailable

*All written and visual data contained in this document reflects the latest product information available at the time of publication.*

*Graco reserves the right to make changes at any time without notice.*

**Sales Offices:** Minneapolis, Detroit,

**International Offices:** Belgium, Korea, Hong Kong, Japan

**GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441**

**www.graco.com**

PRINTED IN U.S.A.