



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)  
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team  
Zep Inc.

**Full Synthetic 75W85 GL-5 Gear Oil**

**Product Number:**  
**MSDS Revision Date:**

**31226-1**  
**07/14/2014**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1. Product identifier** Full Synthetic 75W85 GL-5 Gear Oil  
Product Code 31226
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Intended use See Technical Data Sheet.
- 1.3. Details of the supplier of the safety data sheet**
- Manufacturer** LUBRICATING SPECIALTIES  
COMPANY
- 8015 PARAMOUNT BLVD. PICO  
RIVERA, CA 90660
- Telephone No.** (562) 776-4000
- 1.4. Emergency telephone number**  
(800) 424-9300 24hr

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Not Classified

**2.2. Label elements**

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.

Not Classified

**HMIS**

**Health:** 0  
**Fire:** 1

**NFPA**

**Health:** 0  
**Fire:** 1

**Physical Hazards:** 0  
**PPE:** C

**Reactivity:** 0  
**Special Hazards:** --

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## SECTION 3: Composition/information on ingredients

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 / GHS Classification
<b>PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN</b> CAS Number: 0064742-54-7	<70	Not Classified
Petroleum distillates, hydrotreated light paraffinic CAS Number: 0064742-55-8	<70	Not Classified
1-Decene, dimer, hydrogenated CAS Number: 0068649-11-6	<20	Not Classified
Petroleum distillates, hydrotreated light naphthenic CAS Number: 0064742-53-6	<5	Not Classified
Mineral Oil CAS Number: Proprietary or N/A	<3	Not Classified
Petroleum distillates, solvent-refined heavy paraffinic CAS Number: 0064741-88-4	<1	Not Classified
Petroleum distillates, solvent-refined light paraffinic CAS Number: 0064741-89-5	<1	Not Classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS Number: 0064742-65-0	<1	Not Classified

\*The full texts of the phrases are shown in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

#### Inhalation

If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.

#### Skin

In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

#### Eye

In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.

**Ingestion**

Do not induce vomiting. Call a physician or emergency medical facility immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

Use Carbon dioxide (CO<sub>2</sub>), dry chemical, or foam to extinguish flames.

**5.2. Special hazards arising from the substance or mixture**

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

**5.3. Advice for fire-fighters**

Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.

**6.2. Environmental precautions**

Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

**6.3. Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Dispose of in accordance with all federal, state, and local environmental regulations.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Handling**

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate

ventilation.

### In Storage

Store in a dry location at room temperature.

Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from strong oxidizing and reducing agents.

CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

### 7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The following occupational exposure limits have been established.

CAS Number	Ingredient	Source	Value
0064741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064741-89-5	Petroleum distillates, solvent-refined light paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-53-6	Petroleum distillates, hydrotreated light naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-55-8	Petroleum distillates, hydrotreated light paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0064742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0068649-11-6	1-Decene, dimer, hydrogenated	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
Proprietary or N/A	Mineral Oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0064741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064741-89-5	Petroleum distillates, solvent-refined light paraffinic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-53-6	Petroleum distillates, hydrotreated light naphthenic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-55-8	Petroleum distillates, hydrotreated light paraffinic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0068649-11-6	1-Decene, dimer, hydrogenated	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
Proprietary or N/A	Mineral Oil	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

No special requirements under ordinary conditions of use and with adequate ventilation.

### Eye/face protection

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

### Skin protection

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

### Other

Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

### Respiratory protection

Use NIOSH/OSHA approved respirator where high vapor concentrations are present.

**Thermal hazards**

No Data Available

**SECTION 9: Physical and chemical properties**

<b>Appearance</b>	AMBER OILY LIQUID
<b>Odor</b>	Petroleum Odor
<b>Odor threshold</b>	Not Determined
<b>pH</b>	Not Determined
<b>Melting point / freezing point (C)</b>	Not Determined
<b>Initial boiling point and boiling range (C)</b>	Not Measured
<b>Flash point (C)</b>	> 135
<b>Evaporation rate (H20 = 1)</b>	Not Determined
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	
Lower Explosive Limit:	Not Determined
Upper Explosive Limit:	Not Determined
<b>Vapor pressure (Pa)</b>	Not Determined
<b>Vapor density</b>	Heavier than air.
<b>Relative density</b>	0.8562
<b>Solubility(ies)</b>	negligible
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Determined
<b>Auto-ignition temperature (C)</b>	Not Determined
<b>Decomposition temperature</b>	Not Determined
<b>Viscosity (cSt)</b>	
@ 100 C	Not Measured
@ 40 C	Not Measured
<b>Pour point temperature (C)</b>	Not Determined
<b>Volatile Organic Compounds</b>	nil
<b>SADT</b>	Not Determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

**9.2. Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

Material is normally stable at ambient temperature and pressure.

**10.3. Possibility of hazardous reactions**

May react with: oxidizing agents.

**10.4. Conditions to avoid**



High temperature, sparks, and open flames.

### 10.5. Incompatible materials

Keep away from strong oxidizing and reducing agents.

### 10.6. Hazardous decomposition products

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

## SECTION 11: Toxicological information

### Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapor LD50, mg/L/4hr
1-Decene, dimer, hydrogenated - (0068649-11-6)	Not Available	Not Available	Not Available
Distillates (petroleum), solvent-dewaxed heavy paraffinic - (0064742-65-0)	>2,000, Rat	>2,000, Rabbit	Not Available
Mineral Oil - (Proprietary or N/A)	Not Available	Not Available	Not Available
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN - (0064742-54-7)	>5,000, Rat	>5,000, Rabbit	Not Available
Petroleum distillates, hydrotreated light naphthenic - (0064742-53-6)	>5,000, Rat	Not Available	Not Available
Petroleum distillates, hydrotreated light paraffinic - (0064742-55-8)	>2,000, Rat	>2,000, Rabbit	Not Available
Petroleum distillates, solvent-refined heavy paraffinic - (0064741-88-4)	>2,000, Rat	>2,000, Rabbit	Not Available
Petroleum distillates, solvent-refined light paraffinic - (0064741-89-5)	>2,000, Rat	>2,000, Rabbit	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not Classified	Not Applicable
Acute toxicity (dermal)	Not Classified	Not Applicable
Acute toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Serious eye damage/irritation	Not Classified	Not Applicable
Respiratory sensitization	Not Classified	Not Applicable
Skin sensitization	Not Classified	Not Applicable
Germ cell mutagenicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive toxicity	Not Classified	Not Applicable
STOT-single exposure	Not Classified	Not Applicable
STOT-repeated exposure	Not Classified	Not Applicable



Aspiration hazard	Not Classified	Not Applicable
-------------------	----------------	----------------

## SECTION 12: Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN - (0064742-54-7)	Not Available	Not Available	Not Available
Petroleum distillates, hydrotreated light paraffinic - (0064742-55-8)	Not Available	Not Available	Not Available
1-Decene, dimer, hydrogenated - (0068649-11-6)	Not Available	Not Available	Not Available
Petroleum distillates, hydrotreated light naphthenic - (0064742-53-6)	Not Available	Not Available	Not Available
Mineral Oil - (Proprietary or N/A)	Not Available	Not Available	Not Available
Petroleum distillates, solvent-refined heavy paraffinic - (0064741-88-4)	Not Available	Not Available	Not Available
Petroleum distillates, solvent-refined light paraffinic - (0064741-89-5)	Not Available	Not Available	Not Available
Distillates (petroleum), solvent-dewaxed heavy paraffinic - (0064742-65-0)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr), Scenedesmus subspicatus

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

## SECTION 14: Transport information

14.1. UN number	Not applicable
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	
US DOT Label	Not regulated
ADR/RID	Not regulated
IMDG	Not regulated
Sub Class	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	
ADR/RID	Environmentally Hazardous: No - Not regulated
IMDG	Marine Pollutant: No - Not regulated
14.6. Special precautions for user	No further information
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable

## SECTION 15: Regulatory information

### National Legislation

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**SARA 311/312 (>0.1%):** Not applicable

**SARA 313 (>0.1%):** Not applicable

**CERCLA (>0.1%):** Not applicable

**Inventory - Canada - Non-Domestic Substances List (NDSL):** Not applicable

**California Proposition 65 Cancer:** Not applicable

**California Proposition 65 Developmental:** Not applicable

**California Proposition 65 Female Reproductive:** Not applicable

**California Proposition 65 Male Reproductive:** Not applicable

**Inventory - Australia - Inventory of Chemical Substances (AICS):**

1-Decene, dimer, hydrogenated  
 Acrylic Copolymer  
 Distillates (petroleum), hydrotreated light  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
 Petroleum distillates, hydrotreated light naphthenic  
 Petroleum distillates, hydrotreated light paraffinic  
 Petroleum distillates, solvent-refined heavy paraffinic  
 Petroleum distillates, solvent-refined light paraffinic

**Inventory - Japan Existing and New Chemical Substances (ENCS):**

Acrylic Copolymer ( )  
 Distillates (petroleum), hydrotreated light ( )  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic (9-1702)  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN ( )  
 Petroleum distillates, hydrotreated light naphthenic ( )  
 Petroleum distillates, hydrotreated light paraffinic ( )  
 Petroleum distillates, solvent-refined heavy paraffinic ( )  
 Petroleum distillates, solvent-refined light paraffinic (9-1700)

**Korean Existing Chemicals Inventory:**

Acrylic Copolymer  
 Distillates (petroleum), hydrotreated light  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
 Petroleum distillates, hydrotreated light naphthenic  
 Petroleum distillates, hydrotreated light paraffinic  
 Petroleum distillates, solvent-refined heavy paraffinic  
 Petroleum distillates, solvent-refined light paraffinic

**Inventory of Existing Chemical Substances in China:**

Acrylic Copolymer

Distillates (petroleum), hydrotreated light  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
 Petroleum distillates, hydrotreated light naphthenic  
 Petroleum distillates, hydrotreated light paraffinic  
 Petroleum distillates, solvent-refined heavy paraffinic

**Philippines Inventory of  
 Chemicals and Chemical  
 Substances (PICCS) :**

1-Decene, dimer, hydrogenated  
 Acrylic Copolymer  
 Distillates (petroleum), hydrotreated light  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
 Petroleum distillates, hydrotreated light naphthenic  
 Petroleum distillates, hydrotreated light paraffinic  
 Petroleum distillates, solvent-refined heavy paraffinic  
 Petroleum distillates, solvent-refined light paraffinic

**Taiwan List of Toxic Chemical  
 Substances regulated under  
 Toxic Chemical Substances  
 Control Act :** Not applicable

**EU REACH: Annex XVII,  
 Dangerous Substances and  
 Preparations:**

Distillates (petroleum), solvent-dewaxed heavy paraffinic  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN  
 Petroleum distillates, hydrotreated light naphthenic  
 Petroleum distillates, hydrotreated light paraffinic  
 Petroleum distillates, solvent-refined heavy paraffinic  
 Petroleum distillates, solvent-refined light paraffinic

**Inventory - European Union -  
 European Inventory of Existing  
 Commercial Chemical  
 Substances (EINECS):**

1-Decene, dimer, hydrogenated ( )  
 Acrylic Copolymer ( )  
 Distillates (petroleum), hydrotreated light (265-149-8)  
 Distillates (petroleum), solvent-dewaxed heavy paraffinic (265-169-7)  
 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN (265-157-1)  
 Petroleum distillates, hydrotreated light naphthenic (265-156-6)  
 Petroleum distillates, hydrotreated light paraffinic (265-158-7)  
 Petroleum distillates, solvent-refined heavy paraffinic (265-090-8)  
 Petroleum distillates, solvent-refined light paraffinic (265-091-3)

**EU List of Notified Chemical Substances (ELINCS):**

Not applicable

Risk Phrases

Not Classified.

**SECTION 16: Other information**

This information has been compiled from sources considered to be dependable and is accurate to the best of Lubricating Specialties Company knowledge. Lubricating Specialties Company makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Lubricating Specialties Company assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is:

**This is the first revision of this SDS format, changes from previous revision not applicable.**

End of document

The logo for Lubricating Specialties Company (LSC) is displayed in a large, bold, grey font. The letters 'L', 'S', and 'C' are stylized and interconnected.