

# Safety Data Sheet

No: L046

Ver. 5.0

CPC Multi-Purpose Gear Lubricant 85W/90、115、H80、80、80W/90、85W/140

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL Product Name:**

CPC Multi-Purpose Gear Lubricant 85W/90、115、H80、80、80W/90、85W/140

**Product Code:** LB56289(85W/90)、LB56290(115)、LB56292(H80)、LB56293(80)、  
LB56294(80W/90)、LB56295(85W/140)、LD56295(85W/90)

**Manufacturer Name:** Lubricants Business Division, CPC Corporation, Taiwan

Address:

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Telephone Number: 886-7-5361510

**Emergency Telephone Number:** 886-5-2224171 Ext. 7250

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## II. HAZARDS IDENTIFICATION

**NFPA Ratings (Scale 0-4) :** Health=2 Fire=1 Reactivity=0

**The Most Important Hazardous Effects:****1. Adverse Human Health Effects:**

(For Long Term Exposure)

- Eye Contact: irritation.
- Skin Contact : skin disorders.
- Inhalation: If heated this substance ,over-inhalation may cause headache, dizziness, nausea ,vomiting, coughing, pain in the nose, throat and chest.
- Ingestion: no information is available .

**2. Environmental Effects:** no information is available.

**3. Physical and Chemical Hazards:** Mist or vapors can produce at elevated temperatures.

**4. Specific Hazards:** no information on significant adverse effects.

**Main Symptoms:**

- Eye Contact : irritation.
- Skin Contact : May cause irritation with erythema ,blistering.
- Inhalation : If heated this substance ,over-inhalation may cause headache, dizziness, nausea ,vomiting, coughing, pain in the nose, throat and chest.

- Ingestion :aspiration irritation, digestive disorders.

### III. COMPOSITION, INFORMATION ON INGREDIENT

#### 1. CHEMICAL Product Identification:

Chemical Family: Petroleum Hydrocarbons

Chemical Formula: Mixture

Trade Name/Synonym: Not assigned

#### 2. Component:

Ingredients	CAS NO.	% by vol.
Heavy Paraffinic Distillate	64742-54-7	95.0~ 96.0
Olefin sulfide	68937-96-2	2.5~4.0
Phosphoric acid esters /amine salts	-----	< 1.0
Alkyl amine	68955-53-3	<0.1

### IV. FIRST AID MEASURE

#### Emergency Procedures:

- Inhalation :  
Remove personnel from exposure area to fresh air immediately. If breathing is difficult, give oxygen. If breathing ceases, use a oxygen rescuer or similar device to perform artificial respiration. Get medical attention immediately.
- Skin Contact :  
Remove contaminated clothing, jewelry and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains ( at least 15~20 minutes). If irritation or adverse symptoms develop, seek medical attention.
- Eye Contact :  
Flush eyes immediately with running water for at least fifteen minutes, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
- Digestion :  
If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention.

**Protection of First-aiders:** no information is available.

**Notes to Physician:** no information is available.

### V. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** regular dry chemical, carbon dioxide, water, regular foam.

**Large fires:** Use regular foam or flood with fine water spray.

**Specific Hazards:** Fumes, smoke, carbon dioxide, carbon monoxide, phosphorus oxides, nitrogen oxides, amines, H<sub>2</sub>S and oxides of sulfur can product on burning.

**Special Fire Fighting Procedures:**

1. Firefighters should wear proper protective equipment stay upwind.
2. Move container from fire area and shut off source if it can be done without risk.
3. Cool containers with water spray until well after the fire is out.
4. Do not scatter spilled material with high-pressure water streams.
5. Keep unnecessary people away, isolate hazard area and deny entry.
6. Avoid inhalation of material or combustion by-products.

## VI. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

1. Avoid heat, flames, sparks and other sources of ignition.
2. Stop leak if possible without personal risk.
3. Reduce vapors with water spray.

**Environmental Precautions:**

1. Eliminate all open flame in vicinity of spill or released vapor.
2. Stop the source of the leak or release.
3. Clean up releases as soon as possible.
4. Contain liquid to prevent further contamination of soil, surface water or groundwater.

**Methods for Cleaning Up:**

1. Clean up small spills using sand or other non-combustible material.
2. Collect spilled material in appropriate container for disposal.
3. Where feasible and appropriate, remove contaminated soil.
4. Follow prescribed procedures for reporting and responding to larger releases.

## VII. HANDLING AND STORAGE

**Handling:**

1. Wear protective equipment, if exposure conditions warrant.
2. Wash thoroughly after handling.
3. Use with adequate ventilation.
4. Handle in accordance with all current regulations and standards.

**Storage:**

1. Keep away from heat, sparks and flames.
2. Store in well-ventilated area.
3. Store in a tightly closed container.

4. Store in a cool, dry place. ( < 80 °C )
5. Bond and ground during transfer.
6. Keep separated from incompatible substances.
7. Storage in accordance with all current regulations and standards.

## VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Control:

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

### Control Parameter:

HAZARDOUS MATERIAL	TWA	STEL	CEILING
Mineral Oil Mist	ACGIH: 5 mg/m <sup>3</sup> NIOSH: 5 mg/m <sup>3</sup> OSHA : 5 mg/m <sup>3</sup>	NIOSH : 10mg/m <sup>3</sup> UK OES : 10mg/m <sup>3</sup>	--
H2S: ( Gear Oil Additive Package )	ACGIH : 10 ppm ( 14 mg/m <sup>3</sup> )	ACGIH : 15 ppm ( 21 mg/m <sup>3</sup> )	--

### Personal Protection Equipment:

- Respiratory Protection:  
Not generally required unless needed to prevent respiratory irritation. In case of spill or leak resulting in unknown concentration, use NIOSH approved supplied air respirator.
- Hand Protection:  
Wear appropriate chemical resistant gloves.
- Eye Protection:  
Wear splash resistant safety goggles or face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- Skin and Body Protection:  
Wear appropriate chemical resistant clothing. Remove any chemical soaked clothing immediately.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid	Form: brown viscous liquid
Color: brown	Odor: no specific irritant odor
PH: Not available	Boiling Range: No data
Decomposition Temperature: No data	Flash Point: 220°C (428°F)(85W/90) ; 208°C (406°F)(115) 226°C (439°F)(80H) ; 235°C (455°F)(80W/90)

	204°C (399°F)(80) ; 228°C (442°F)(85W/140 ) Test Method: Open Cup
Autoignition Temperature: No data	Flammable Limits: Notavailable
Vapor Pressure: Not available	Vapor Density: Notavailable
Specific Gravity: 0.88~0.91 @ 60°F	Solubility: insoluble in water

## X. STABILITY AND REACTIVITY

**Stability:** Stable at normal temperatures and pressure.

**Possible Hazardous Reactions:** Will not polymerize.

**Conditions to Avoid:**

Avoid heat, flames, spark and other sources of ignition. Avoid contact with incompatible material.

**Materials to Avoid:** strong oxidizing agents.

**Hazardous Decomposition Products:** Fumes, smoke, carbon dioxide, carbon monoxide, phosphorus oxides, nitrogen oxides , amines, H2S and sulfur oxides.

## XI. TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

- **Inhalation:**  
Heavy Paraffinic Distillate: Mists or sprays of insoluble oils are not harmful to the respiratory tract, although worker discomfort may occur at oil mist level of 5 mg/m<sup>3</sup>.  
Gear Oil Additive Package: If breathing combustible liquid and vapor cause eye, throat or lung irritation, dizziness, nausea, loss of consciousness.
- **Skin Contact:**  
Heavy Paraffinic Distillate: May cause hair follicles, comedones, perifollicular papules and pustules. Some individuals may develop a skin sensitivity to petroleum products.  
Viscosity Improver: slight irritation.
- **Eye Contact:**  
Heavy Paraffinic Distillate: Found to be moderately irritating to rabbit eyes.  
Gear Oil Additive Package: strong irritation.  
Viscosity Improver: slight irritation.
- **Ingestion:**  
Heavy Paraffinic Distillate: Mineral oils may cause gastrointestinal disturbance such as diarrhea.

**Local Effect:** No data available.

**Sensitization:** No data available.

**Chronic Toxicity:**

- Inhalation:  
Heavy Paraffinic Distillate: Repeated or prolonged contact with oils may cause fibrotic nodules, lipoid pneumonia, and lipid granuloma.  
Gear Oil Additive Package: Repeated or prolonged breathing of vapor may cause upper respiratory tract effects.
- Skin Contact:  
Heavy Paraffinic Distillate: Repeated or prolonged contact may cause defatting of the skin which may result in dermatitis and effect as detailed in acute exposure.  
Gear Oil Additive Package: Repeated or prolonged breathing of vapor may cause upper respiratory.
- Eye Contact:  
Heavy Paraffinic Distillate: Repeated or prolonged contact with irritants may cause conjunctivitis.
- Ingestion: No data available.

**Specific Effects:** No data available.

**XII. ECOLOGICAL INFORMATION**

**Environmental Mobility:** No data available.

**XIII. DISPOSAL CONSIDERATIONS****Subject to disposal regulations:**

Dispose in accordance with all applicable regulations.

**XIV. TRANSPORT INFORMATION**

1. Marine transportation allowed.

2. Not Regulated for Sea Transport according to IMDG-Code.

**XV. REGULATORY INFORMATION****Suitable Regulations:****1. U.S. Regulations:**

TSCA Inventory Status: Y

SARA Hazard Categories, SARA Sections 311/312(40 CFR 370.21):

Acute: N

Chronic: N Fire: N Reactive: N OSHA Process Safety(29 CFR 1910.119): N  2. State Regulations: California Proposition 65: N  3. European Regulations: EC Number: Not assigned
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## XVI. OTHER INFORMATION

Reference Literatures	1. OHS15037 2. Additive SDS	
Made By	<b>Lubricants Business Division, CPC Corporation, Taiwan</b>	
	Title: OHS ENGINEER	Name: Fong-Wu Chen
Creation Date	May . 10, 2022	

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