

# Safety Data Sheet

No : L097

CPC E.P. Lubricant HD 32~680

Ver. 4.7

## Section 1: Identification

**Chemical Product Name:** CPC E.P. Lubricant HD 32、HD68、HD100、HD150、HD220、HD320、HD460、HD680

**Product Code:** LA82032、LA82068、LA82100、LA82150、LA82220、LA82320、LA82460、LA82680

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

6F, 15, Cheng-Kung 2nd RD, Chen-Zerng District, Kaohsiung, 806, Taiwan, R.O.C.  
**Telephone Number:** 886-7-5361510

**Emergency Telephone Number:** 886-5-2224171 Ext. 7250  
**Fax Number:** 886-5-2232062

## Section 2: Hazard(s) Identification

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

**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.

## Section 3: Composition/Information on Ingredients

CAS No.

64742-57-0

**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	80.0~95.0%
Bright Stock	64742-57-0	0~15.0%
1-Propene, 2-methyl-, sulfurized	68511-50-2	0.7%~1.0%
Oleylamine	112-90-3	< 0.2%
Phosphoric acid dipentyl ester	3138-42-9	< 0.02%
Poly(methyl methacrylate-co-methacrylic acid)	25086-15-1	< 0.02%
5-(2-methylundecan-2-yl)disulfanyl)-3H-1,3,4-thiadiazole-2-thione	73984-93-7	< 0.02%

**Section 4: 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 an 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 swallowed, give water or milk to drink. Get medical attention immediately.

**Protection of First-aider:** no information is available.**Notes to Physician:** no information is available.**Section 5: 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:** combustion conditions, oxides of the following elements will formed: carbon dioxide, water, sulfur, nitric oxide. Incomplete burning can produce carbon monoxide and other harmful products.

**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.

## **Section 6: 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.

## **Section 7: 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.
5. Bond and ground during transfer.
6. Keep separated from incompatible substances.
7. Storage in accordance with all current regulations and standards.

**Section 8: Exposure Controls/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>	--

**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 NOISH 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.

**Section 9: Physical and Chemical Properties**

Physical State: liquid	Form: liquid
Color: deep brown	Odor: no special order
PH: Not available	Boiling Range: No data
Specific Gravity:	Flash Point:

HD32	0.8724 g/cm <sup>3</sup> @ 60°F ;	HD32	216°C (420.8°F) ;
HD68	0.8830 g/cm <sup>3</sup> @ 60°F ;	HD68	236°C (456.8°F) ;
HD100	0.8891 g/cm <sup>3</sup> @ 60°F ;	HD100	237°C (458.6°F) ;
HD150	0.8930 g/cm <sup>3</sup> @ 60°F ;	HD150	254°C (489.2°F) ;
HD220	0.8960 g/cm <sup>3</sup> @ 60°F ;	HD220	254°C (489.2°F) ;
HD320	0.8990 g/cm <sup>3</sup> @ 60°F ;	HD320	250°C (482.0°F) ;
HD460	0.9010 g/cm <sup>3</sup> @ 60°F ;	HD460	252°C (485.6°F) ;
HD680	0.9080 g/cm <sup>3</sup> @ 60°F	HD680	260°C (500.0°F)
		Test Method: Open Cup	
Autoignition Temperature: No data		Flammable Limits: Not available	
Vapor Pressure: Not available		Vapor Density: Not available	
Decomposition Temperature: No data		Solubility: insoluble in water	

## Section 10: 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:** acid, strong oxidizing agents.

**Hazardous Decomposition Products:**

oxides of carbon, various hydrocarbons and sulfide formed when burned.

## Section 11: Toxicological Information

**Acute Toxicity:**

- **Inhalation:**  
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>.  
Anti-extreme pressure additive: inhalation of oil mist or vapors may cause respiration irritation.
- **Skin Contact:**  
Paraffinic distillate: May cause hair follicles, comedones, perifollicular papules and pustules. Some individuals may develop a skin sensitivity to petroleum products.  
Anti-extreme pressure additive: irritate to skin.
- **Eye Contact:**

Paraffinic distillate: Found to be moderately irritating to eyes.

Anti-extreme pressure additive: irritate to eyes.

- Ingestion:

Paraffinic distillate: Mineral oils may cause gastrointestinal disturbance such as diarrhea. Anti-extreme pressure additive: No data available.

**Local Effect:** No data available.

**Sensitization:** No data available.

Chronic Toxicity: Paraffinic distillate :

- Inhalation:  
Repeated or prolonged contact with oils may cause fibrotic nodules, lipoid pneumonia, and lipid granuloma.
- Skin Contact:  
Repeated or prolonged contact may cause defatting of the skin which may result in dermatitis and effect as detailed in acute exposure.
- Eye Contact: Repeated or prolonged contact with irritants may cause conjunctivitis.
- Ingestion: No data available.

**Specific Effects:** No data available.

## **Section 12: Ecological Information (non-mandatory)**

**Environmental Mobility:** No data available.

## **Section 13: Disposal Considerations (non-mandatory)**

**Subject to disposal regulations:**

Dispose in accordance with all applicable regulations.

## **Section 14: Transport Information (non-mandatory)**

No classification assigned.

## **Section 15: Regulatory Information (non-mandatory)**

**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**

**4. Regulations Governing Designating and Handling of Priority Management Chemicals (2014.12.30)**

**5. Regulations of New and Existing Chemical Substances Registration**

**Section 16: Other Information**

Reference Literatures	1.OHS 15037 2.OHS 50243	
Made By	<a href="#">Lubricants Business Division, CPC Corporation, Taiwan</a>	
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