

# Material Safety Data Sheet

No: L120 CPC Marilube Oil DPO 30, 40 Ver. 2.0

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** CPC Marilube Oil DPO 30、40

**Product Code:** LB54230 ( DPO 30 ) 、 LB54240 ( DPO 40 )

**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. 7103 or 6666

**Fax Number:** 886-5-2232062

## II. HAZARDS IDENTIFICATION

**The Most Important Hazardous Effects:**

**1. Adverse Human Health Effects:**

(For Long Term Exposure)

- Inhalation: no information on significant adverse effects.
- Skin Contact : skin disorders.
- Eye Contact : moderate to strong irritation.
- 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:**

- Inhalation : no information on significant adverse effects.
- Skin Contact : skin disorders.
- Eye Contact : irritation.
- Ingestion : aspiration hazard, digestive disorders.

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

### III. COMPOSITION, INFORMATION ON INGREDIENT

#### 1. Product Identification:

Chemical Family: Petroleum Hydrocarbons

Chemical Formula: Mixture

Trade Name/Synonym: Not assigned

#### 2. Component:

Ingredients CAS Number % by vol.

Heavy Paraffinic Distillate 64742-54-790~ 95

Diesel Engine Oil Additive Not assigned 5~10

### 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:** Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: carbon, nitrogen, sulfur, calcium, zinc.

### **Special Fire Fighting Procedures:**

1. Firefighters should wear proper protective equipment and 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.
5. Handling temperature should not exceed 80 °C.

**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.

**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><br>NIOSH: 5 mg/m <sup>3</sup><br>OSHA : 5 mg/m <sup>3</sup> | NIOSH : 10mg/m <sup>3</sup><br>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 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: mild odor  |
| PH: Not available                  | Boiling Range: No data   |
| Decomposition Temperature: No data | Flash Point: 246°C (475°F) (DPO 30)<br>263°C (505°F) (DPO 40)<br>Test Method: Open Cup |
| Autoignition Temperature: No data  | Flammable Limits: Not available  |
| Vapor Pressure: Not available      | Vapor Density: Not available   |
| Specific Gravity: 0.89 @ 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:** Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: carbon, nitrogen, sulfur, calcium, zinc.

## 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>.
- Skin Contact:  
Heavy Paraffinic Distillate: May cause hair follicles, comedones, perifollicular papules and pustules. Some individuals may develop a skin sensitivity to petroleum products.  
Diesel Engine Oil Additive : May cause dermatitis. Symptoms may include redness, edema, drying, defatting and cracking of skin.
- Eye Contact:  
Heavy Paraffinic Distillate: Found to be moderately irritating to rabbit eyes.  
Diesel Engine Oil Additive: Moderate to strong eye irritant.
- Ingestion:  
Heavy Paraffinic Distillate: Mineral oils may cause gastrointestinal disturbance such as diarrhea.  
Diesel Engine Oil Additive : LD<sub>50</sub> : > 5000 mg / kg / rats-oral.

**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.
- 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.  
Diesel Engine Oil Additive: Repeated or prolonged skin contact with material may cause dermatitis.
- 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 Toxicity:** Diesel Engine Oil Additive: based on component data.

Freshwater Fish Toxicity : LC<sub>50</sub> : >100 ppm

Freshwater Invertebrates Toxicity : LC<sub>50</sub> : 10 - 100 ppm

Algal Inhibition : EC<sub>50</sub> : > 1000 ppm

Saltwater Invertebrates Toxicity : LC<sub>50</sub> : 10- 100 ppm

### XIII. DISPOSAL CONSIDERATIONS

**Subject to disposal regulations:**

Dispose in accordance with all applicable regulations.

### XIV. TRANSPORT INFORMATION

No classification assigned.

### 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

### XVI. OTHER INFORMATION

Reference Literatures

1. OHS 15037

|               |   |                       |
|---------------|---|-----------------------|
|               | 2. Additive MSDS  |                       |
| Made By       | Chinese Petroleum Corporation<br>Refining & Manufacturing Research Center |                       |
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