

Safety Data Sheet

No: L037

CPC Circulation Oil MR150、200、220、320、390、460、680 Ver : 4.0

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL Product Name: CPC Circulation Oil MR150、200、220、320、390、460、680
Other name :
ProductCode: LA61627(MR150) ;LA61620(MR200) ;LA61621(MR220) ;LA61622 (MR320) ; LA61623 (MR390) ;LA61624 (MR460) ;LA61626 (MR680)
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

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) <ul style="list-style-type: none">• Inhalation: no information on significant adverse effects.• Skin Contact : skin disorders.• Eye Contact : no information is available.• 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: respiratory tract irritation, skin irritation.
Main Symptoms:

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

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.
Paraffinic Distillate	64742-54-7 、 64742-57-0	100%

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 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 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: Oxides of carbon, sulfur, and various hydrocarbons formed when burned.

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.
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 ³ NIOSH: 5 mg/m ³ OSHA : 5 mg/m ³	NIOSH : 10mg/m ³ UK OES : 10mg/m ³	--

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: yellow or brown clear viscous liquid
Color: yellow or brown	Odor: no specific irritant odor
PH: Not available	Boiling Range: No data
Specific Gravity: MR150 0.8833 g/cm ³ @ 60°F MR200 0.8924 g/cm ³ @ 60°F MR220 0.8936 g/cm ³ @ 60°F MR320 0.8974 g/cm ³ @ 60°F MR390 0.8974 g/cm ³ @ 60°F MR460 0.8994 g/cm ³ @ 60°F MR680 0.9060 g/cm ³ @ 60°F	Flash Point: Test Method: Open Cup 2 MR150 272°C (522°F) ; MR200 275°C (527°F) ; MR220 288°C (550°F) ; MR320 296°C (564°F) ; MR390 299°C (570°F) ; MR460 317°C (602°F) ; MR680 320°C (608°F)
Autoignition Temperature: No data	Flammable Limits: Not available
Vapor Pressure: Not available	Vapor Density: Not available
Decomposition Temperature: No data	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:

Oxides of carbon, sulfur, and various hydrocarbons formed when burned.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Inhalation:
Inhalation hazard is low unless heated or misted which may result in mild irritation of the mucous membranes of upper respiratory tract.
- Skin Contact: May cause slight irritation.
- Eye Contact: No specific data available.
- Ingestion:
Mineral oils may cause gastrointestinal disturbance such as diarrhea.

Local Effect: No data available.

Sensitization: No data available.

Chronic Toxicity:

- Inhalation:
Repeated or prolonged inhalation of oil may cause lipoid pneumonia, inflammation with or without pneumonia, fibrosis and paraffinoma.
- Skin Contact:
Repeated or prolonged contact with oil may cause various skin disorders such as eczematous or contact dermatitis, folliculitis, oil acne, lipid granuloma, melanosis, and rarely, precancerous warts on the forearms, back of hands or scrotum.
- Eye Contact: No data available.
- 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

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	1. OHS 50237	
Literatures	2. OHS 15037	
Made By	Lubricants Business Division, CPC Corporation, Taiwan	
	Title: OHS ENGINEER	Name: FONG-WU CHEN
Creation Date	Jan.10 , 2022	

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