Safety Data Sheet

No：L292　　CPC HEAVY Duty Extra Special SN/CF Motor Oil 20W/50　　Ver. 2.0

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CPC HEAVY Duty Extra Special SN/CF Motor Oil 20W/50
Product Code: LB51231
Manufacturer Name: CPC Corporation Taiwan Lube Division. **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. 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.
ZINC ALKYL DITHIOPHOSPHATE	68649-42-3	6~8
Viscosity Improver	Not assigned	7~9
Paraffinic Distillate base oil	64742-55-8	83~87

III. HAZARDS IDENTIFICATION

The Most Important Hazardous Effects:

1. Adverse Human Health Effects:
   (For Long Term Exposure)
   - Eye Contact : irritation.
   - Skin Contact : may cause dermatitis.
   - Inhalation : inhalation of oil mist or vapors at elevated temperature may cause respiratory 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:

- Eye Contact : irritation.
- Skin Contact : no information is available.
- Inhalation : no information on significant adverse effects.
- Ingestion : no information is available.

NFPA Ratings (Scale 0-4): NFPA Fire=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-aider: 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: Incomplete burning can produce carbon monoxide and/or carbon dioxide 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.

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 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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid	Form:brown viscous liquid
Color: brown	Odor no specific irritant odor
PH : Not available	Boiling Point/Range: 304~590℃(579~1094°F)
Decomposition Temperature: No data	Flash Point: 240℃ Test Method: Open Cup
Autoignition Temperature: No data	Flammable Limits: Not available
Vapor Pressure: <0.1 Kpa@20℃	Vapor Density: >5
Specific Gravity: 0.8948 g/cm^3 @15.6℃	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 extreme heat. Avoid contact with incompatible material.
Materials to Avoid: acid. strong oxidizing agents.
Hazardous Decomposition Products: oxides of carbon , various hydrocarbons .

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: • Inhalation:No data available. • Skin Contact:No data available. • Eye Contact:May irritate to eyes. • Ingestion:No data available.
Local Effect: No data available.
Sensitization: No data available.

Chronic Toxicity:

- Inhalation:No data available.
- Skin Contact:No data available.
- Eye Contact: No data available.
- Ingestion: No data available.

Specific Effects: No data available.

XII. ECOLOGICAL INFORMATION

Environmental Mobility: Fates: This material is not expected to present any environmental problems other than those associated with oil spills.

XIII. DISPOSAL CONSIDERATIONS

Subject to disposal regulations:
This product is a controlled waste. Dispose in accordance with all applicable regulations.

XIV. TRANSPORT INFORMATION

Not dangerous for conveyance.

XV. REGULATORY INFORMATION

Suitable Regulations:

1. All components comply with EINECS, TSCA, DSL, AICS, ECL and MITI.
2. EC dangerous substances/preparations classification: not regulated.

XVI. OTHER INFORMATION

Reference Literatures	1. OHS 22895	
Made By	Lubricants Business Division, CPC Corporation, Taiwan	
	Title: OHS Engineer	Name: Fong-Wu Chen

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