

Material Safety Data Sheet

No : L074 CPC Super Brake Fluid DOT4

Ver : 3.0

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : CPC Super Brake Fluid DOT4

Product Code : LB39801

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

NFPA Ratings (Scale 0-4) : No information is available.

The Most Important Hazardous Effects :

1. Adverse Human Health Effects :

(For Long Term Exposure)

- Eye Contact : irritation.
- Skin Contact : irritation.
- Inhalation : Nonnormally an inhalation hazard.
- Ingestion : No information is available.

2. Environmental Effects : No information is available.

3. Physical and Chemical Hazards : No information is available.

4. Specific Hazards : No information is available.

Main Symptoms :

- Eye Contact : irritation.
- Skin Contact : dermatitis.
- Inhalation : No information is available.
- Ingestion : No information is available.

III. COMPOSITION, INFORMATION ON INGREDIENTS

1. Product Identification :

Chemical Family : Glycols ,Polymer .

Chemical Formula : Mixture.

Trade Name/Synonym : Not assigned .

2. Components :

Ingredients CAS Number %by vol.

Synthetic Polyether Glycol Base Oil Not assigned < 100

IV. FIRST AID MEASURES

Emergency Procedures :

- Inhalation: When safe to enter area, remove from exposure immediately. If breathing is difficult, give oxygen. If breathing ceases, use a oxygen rescuer or similar device to perform artificial respiration . Seek immediate medical attention.
- 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. Seek immediate medical attention .
- Digestion : If swallowed, do not induce vomiting. Give 1~2 glasses of water to drink .
Get medical attention immediately.

Protection of First-aiders :

1. Use gloves resistant to the material being used (ie. neoprene or Nitrile rubber).
2. Use chemical goggles and face shield.
3. Use NIOSH approved supplied air respirator.

Notes to Physician : no information is available .

V. FIRE FIGHTING MEASURES

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

Large fires : Use alcohol resistant foam or flood with fine water spray.

Specific Hazards : Carbon oxides and various hydrocarbon formed when burned.

Special Fire Fighting Procedures :

1. Move container from fire area and shut off source if it can be done without risk.
2. Cool containers with water spray until well after the fire is out.
3. Do not scatter spilled material with high-pressure water streams.
4. Dike for later disposal.
5. Use extinguishing agents appropriate for surrounding fire.
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. Small spills: absorb with sand or other non-combustible material.
4. Collect spilled material in appropriate container for disposal.

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 appropriate techniquesuch as absorbent materials or pumping .
2. Wherefeasible and appropriate,remove contaminatedsoil.

VII. HANDLING AND STORAGE

Handling :

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.

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.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Control :

1. Provide local exhaust ventilation system.
2. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present.
3. Ensure compliance with applicable exposure limits.

Control Parameter :

HAZARDOUS MATERIAL	TWA	STEL	CEILING
Synthetic Polyether Glycol Base Oil	---	---	---

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 respirator.
- Hand Protection : Wear appropriate chemical resistant gloves.
- Eye Protection : For splash protection ,use chemical goggles and face shield.

- Skin and Body Protection : Wear appropriate chemical resistant clothing. Remove any chemical soaked clothing immediately.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : liquid	Form : liquid
Color : brown	Odor : no special odor
pH : Not Established	Boiling Range : Not Established
Decomposition Temperature : Not Established	Flash Point : 149 °C (300 °F) Test Method : open cup
Autoignition Temperature : Not Established	Flammable Limits : Not available
Vapor Pressure : Not available	Vapor Density : Not available
密度 : 1.07 g/cm ³ @ 60°F	Solubility : soluble 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 materials.
Materials to Avoid : base, acids, strong oxidizing agent.
Hazardous Decomposition Products : Oxides of Carbon, various hydrocarbons formed.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity : (Synthetic Polyether Glycol Base Oil)
<ul style="list-style-type: none"> • Inhalation : No data available. Skin Contact : LD50(rabbit): 7400 mg /kg ° Eye Contact : No data available. • Ingestion : LD50(rat):11800 mg /kg °
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 : No data available.

XIII. DISPOSAL CONSIDERATIONS

Subject to disposal regulations :

1. 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
 - TSCA 12(b) export notification: not listed
 - SARA section 103 (40 CFR302.4): Y
 - SARA section 302 (40 CFR355.30): N
 - SARA section 304 (40 CFR355.40): N
 - SARA section 313 (40 CFR372.65): Y
2. State Regulations :
 - California Proposition 65 : N

XVI. OTHER INFORMATION

Reference Literatures	1.Additive MSDS	
	Lubricants Business Division, CPC Corporation, Taiwan	
Made By	Title : Project Manager	Name : Fong-Wu CHEN
Creation Date	Jul 13, 2010	

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