

Safety Data Sheet

No : L024 CPCHydraulic Oil W.G

Ver : 4.2

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL Product Name : CPCHydraulic Oil W.G

OTHER NAME:-----

Product Code : LA68300

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) : 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 :
Inhalation is unlikely at room temperature, due to the low vapor pressure but exposure to high concentrations of mists or aerosols may result in effects on the hematopoietic system and central nervous system with headache, dizziness and drowsiness.
- Ingestion : liver damage, kidney damage, nerve damage.

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 : contact may be cause irritation and defat the skin.
- Inhalation : headache,dizziness and drowsiness.
- Ingestion : nausea,vomiting,stomach pain,drowsiness.

III.COMPOSITION,INFORMATION ON INGREDIENTS

Ingredients	CAS NO.	VOL%
1,2,3 Benzotriazole	95-14-7	0.30~0.40%
Uniqua red W207	-----	< 0.01%
AMP-95 2-Amino 2-methyl 1-propanol	124-68-5	0.80~0.90%
monoethylene glycol	107-21-1	38.0~40.0%
PolyAlkylene Glycol	9003-11-6	18.0~20.0%
Lauric acid	143-07-7	1.4~1.6%
Morpholins	110-91-8	1.0~1.2%
Benzoic acid	65-85-0	0.1~0.2%
EDTA(Disodium edetate dihydrate)	6381-92-6	0.01%
Sodium hydroxide	1310-73-2	0.1~0.2%
WATER	----	39.0~42.0%

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 an 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 vomiting occurs, keep head lower than hips to help prevent aspiration. Get immediate medical attention.

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. Do not get in eyes on skin or on clothing .
2. Do not swallow , may be aspirated into lungs.
3. Avoid breathing vapors,mist,fume or dust .
4. Wear protective equipment , if exposure conditions warrant.
5. Wash thoroughly after handling.
6. Use with adequate ventilation .
7. 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.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Control :			
<ol style="list-style-type: none"> 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
Ethylene glycol	UKOES 10mg/m ³ (Particulate) 60 mg/m ³ (vapor)	UKOES 125 mg/m ³ (vapor)	ACGIH 10 mg/m ³ (Particulate)
Personal Protection Equipment :			
<ul style="list-style-type: none"> • 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 : red liquid
Color : clean red	Odor : no special odor
Odor Threshold Value: --	Melt Point: -12.9°C
pH Value : 9.8	Boiling Point /Boiling Range : 197.3 °C (387.1°F)
Decomposition Temperature : Not Established	Flash Point : >110 °C (>230 °F) Test Method : open cup
Autoignition Temperature : Not Established	Flammable Limits : Not available
Vapor Pressure : Not available	Vapor Density : Not available
Specific Gravity : 1.132@ 15.6°C (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 : acids, base, oxidizing materials.

Hazardous Decomposition Products : Oxides of Carbon, various hydrocarbons formed.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity :

- **Inhalation** :
Ethylene Glycol (Mist) : Inhalation is unlikely at room temperature due to the low vapor pressure. exposure to high concentration of Mist or aerosols may result in effects on the hematopoietic system and central nervous system with headache, dizziness, drowsiness.
anti-wear additive : may cause irritation of the respiratory tract with sore throat and coughing.
- **Skin Contact** :
Ethylene Glycol : contact may cause irritation and defat the skin.
Viscosity improver : may cause mild transient irritation.
anti-wear additive : may cause irritation.
- **Eye Contact** :
Ethylene Glycol : vapor may cause redness and contact with liquid may cause conjunctivitis.
Viscosity improver : may cause irritation with discomfort, tearing, blurred vision.
anti-wear additive : may cause irritation with redness, conjunctivitis.
- **Ingestion** :
Ethylene Glycol : The estimated lethal dose for adult is 100 milliliters. there are three stages of intoxication following ingestion : central nervous system stimulation followed by depression, cardiorespiratory failure and renal failure.

Local Effect : Irritant : inhalation, skin, eye.

Sensitization : No data available.

Chronic Toxicity :

- Inhalation :
Ethylene Glycol(Mist) : Humans exposed aerosols from 3-67 mg/m³ continuously for 1 month reported irritation tract occasionally slight headache, low backache and irritation of the respiratory tract.
- Skin Contact :
Ethylene Glycol : Repeated or prolonged exposure may result in dermatitis .
anti-wear additive : Repeated or prolonged exposure may result in dermatitis .
- Eye Contact :
anti-wear additive : Repeated or prolonged exposure may result in conjunctivitis.
- Ingestion :
Ethylene Glycol : Repeated daily ingestion of 15-30 ml may cause oliguria within 24-72 hours which may progress rapidly to anuria and uremia. Reported administration to animals resulted in shortened life span, severe renal injury occur.

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. OHS 09400 ; 2. OHS 19178 ; 3. OHS 12485 ;	
Made By	Lubricants Business Division, CPC Corporation, Taiwan	
	Title : OSH manager	Name : Fong-Wu Chen
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