

Safety Data Sheet

No : L330 CPC Prediluted Extended-Life Radiator Coolant

Ver. 2.0

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CPC Prediluted Extended-Life Radiator Coolant

Product Code: M10027

Manufacturer Name: 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. 5555 · 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:

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 INGREDIENT

1. Product Identification:

Chemical Family: Glycols Polyhydric Alcohol

Chemical Formula: Mixture

Trade Name/Synonym: Not assigned

2. Component:

Ingredients	CAS Number	% by vol.
Ethylene Glycol	107-21-1	40~60%
Water and Anti-rusting agent	-	60~40%

IV. FIRST AID MEASURE

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.
- Ingestion :
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 sand or other non-combustible material.
2. Where feasible and appropriate, remove contaminated soil.

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.
7. Storage in accordance with all current regulations and standards.

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
Ethylene Glycol	UK OES 10 mg/m ³ (Particulate)	UK OES 125 mg/m ³ (vapor)	ACGIH 10 mg/m ³ (Particulate)

	60 mg/m ³ (vapor)		
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 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: liquid
Color: Brown	Odor: Mild odor
PH: 8.3	Boiling Range: No data
Decomposition Temperature: No data	Flash Point: No data Test Method: No data
Autoignition Temperature: No data	Flammable Limits: Not available
Vapor Pressure: Not available	Vapor Density: Not available
Specific Gravity: 1.081g/cm ³ @15.6°C	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 material.
Materials to Avoid: acid, strong oxidizing agents.
Hazardous Decomposition Products: oxides of carbon, aldehydes and ketones.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity
Inhalation High concentrations of vapors or mist are likely to be irritating to the respiratory tract

and may cause nausea, dizziness, headaches and drowsiness.

Skin contact

Slightly irritating to the skin.

Eye contact

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Ingestion

Harmful, Causes headache, weakness, confusion, loss of coordination, dizziness, difficulty walking, nausea, vomiting, decreased blood pressure, increased heart rate, pulmonary oedema, kidney failure, unconsciousness, convulsions, and coma. Symptoms maybe delayed. Severe poisoning may cause death.

Chronic

Repeated ingestion may cause kidney damage.

Repeated overexposure may aggravate an existing kidney disease.

Based on animal data, a component of this product may cause adverse reproductive effects and birth defects.

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

UN NO. : UN 3082

1. Potential to bio-accumulate: This product is estimated to have a low potential to bio-concentrate.

2. Aquatic toxicity: Believed not to be toxic to aquatic species.

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
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	3. OHS 12485
Made By	Lubricants Business Division, CPC Corporation, Taiwan
	Safety, Environment, Quality Department
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