

Material Safety Data Sheet

No : L233

CPC Synthetic Coolant

Ver.3.2

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CPC Synthetic Coolant
Product Code: LB-73665
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 or 6666 Fax Number: 886-5-2232062

II. HAZARDS IDENTIFICATION

NFPA Ratings (Scale 0-4): NFPA Fire=1
The Most Important Hazardous Effects: 1. Adverse Human Health Effects: (For Long Term Exposure) <ul style="list-style-type: none">• Eye Contact : concentrate may cause irritation. dilutions (5% or less) are not expected to cause eye irritation.• Skin Contact : concentrate may cause skin irritation.• Inhalation : inhalation of mist may cause respiratory irritation.• Ingestion : no information is available .
2. Environmental Effects: no information is available. 3. Physical and Chemical Hazards: Mist can produce at work. 4. Specific Hazards: no information on significant adverse effects.
Main Symptoms: <ul style="list-style-type: none">• Eye Contact : irritation.• Skin Contact : no information is available.• Inhalation : no information on significant adverse effects.• Ingestion : no information is available.

III. COMPOSITION, INFORMATION ON INGREDIENT

1. Product Identification: Chemical Family: Synthetic solution Chemical Formula: Mixture Trade Name/Synonym: Not assigned		
2. Component:		
Ingredients	CAS Number	% by vol.

Ethanol, 2,2',2"-nitrilotris-	102-71-6	≤ 5
Water	7732-18-5	≥95

IV. FIRST AID MEASURE

<p>Emergency Procedures:</p> <ul style="list-style-type: none"> • Inhalation : If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues. • Skin Contact : Wash skin with soap and water. If irritation occurs, get medical attention. Wash clothing before reuse. • Eye Contact : In case of contact, flush eyes with plenty of water. Get medical attention if irritation persists. • Digestion : If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.
<p>Protection of First-aider: no information is available.</p>
<p>Notes to Physician: no information is available.</p>

V. FIRE FIGHTING MEASURES

<p>Suitable Extinguishing Media: regular dry chemical, carbon dioxide, water, regular Foam. Large fires: Use regular foam or flood with fine water spray.</p>
<p>Specific Hazards: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.</p>
<p>Special Fire Fighting Procedures:</p> <ol style="list-style-type: none"> 1. Firefighters should wear proper protective equipment stay upwind, and wear self-contained breathing apparatus when fire fighting in confined space. 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

<p>Personal Precautions:</p> <ol style="list-style-type: none"> 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. Advise authorities if product has entered or may enter sewers, water courses or extensive land areas.
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. Do not add nitrites to this fluid.
2. Wear protective equipment, if exposure conditions warrant.
3. Wash thoroughly after handling.
4. Use with adequate ventilation.
5. 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. Bring product to room temperature before use.
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
CAS No. 102-71-6	5 mg/m ³	--	--

Personal Protection Equipment:

- Respiratory Protection:

Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV) or permissible exposure limit (PEL), if applicable. If any associated TLV or PEL is exceeded, provide NIOSH approved respiratory protection.

- **Hand Protection:**
Wear appropriate chemical resistant gloves such as rubber.
- **Eye Protection:**
Safety glasses with side shield or chemical goggles. 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: clear yellow liquid
Color: yellow	Odor: mild odor
pH : 9.8	Boiling Point/Range: 99.9°C (211.9°F)
Decomposition Temperature: N/D	Flash Point: N/D Test Method: NA
Autoignition Temperature: N/D	Flammable Limits: Not available
Vapor Pressure: N/D	Vapor Density: N/D
Specific Gravity: 1.027@ 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 contact with incompatible material. No nitrites or related nitrosating agents should be added to such composition.
Materials to Avoid: Strong acids, strong oxidizing agents.
Hazardous Decomposition Products: Potential combustion products are oxides of carbon, nitrogen, and boron.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Inhalation: Mists may cause respiratory irritation
- Skin Contact: Concentrate may cause skin irritation.
- Eye Contact: Concentrate may cause eye irritation.
- Ingestion: Do not ingest.

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 specific ecological data are available for this product.

XIII. DISPOSAL CONSIDERATIONS**Subject to disposal regulations:**

This product is a controlled waste. Dispose in accordance with all applicable regulations.

XIV. TRANSPORT INFORMATION

UN Number: Not regulated.

Packing group: Not regulated.

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 ; 2.Mayco Corporation MSDS	
Made By	Lubricants Business Division, CPC Corporation, Taiwan	
	Title: OHS Engineer	Name: Fong-Wu Chen
Creation Date	Oct. 04 , 2013	

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