



# MATERIAL SAFETY DATA SHEET

## COOLANT

### COMPANY INFORMATION

#### Manufacturer Information

Company Name: Warco Products, Inc.  
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24 Hour Emergency Contact: Chemtrec 800-424-9300

### PRODUCT INFORMATION

EDP Number: 003070AW  
Product Name: Warco Long Life Coolant  
DOT Hazard: Non-Hazardous  
DOT Ship Name: Anti-freeze Compounds N.O.I.

### PHYSICAL DATA

Boiling Pt: N/A  
Freeze Point: N/A  
Gravity: 1.023@68 DEG F  
Vapor Pressure: N/A  
Vapor Density: N/A  
Evaporation Rate: N/A  
% Volatile: <25  
Solubility: 100  
Odor and Appearance: Clean, Dark Green Liquid

### INGREDIENTS

Material Name: Ethylene Glycol  
Percentage: <25  
TLV: 50PPM  
Hazard: Toxic  
CAS Number: 107-21-1

**NOTE:** This chemical is subject to the reporting requirements of SARA TITLE III SECTION 313.

### FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A  
LEL: N/A  
UEL: N/A

Extinguishing Media: Under normal conditions this product will not support combustion.  
Unusual Fire & Explosion Hazard: None

### HEALTH HAZARD DATA

Acute Effects: N/A  
Swallowing: May cause abdominal discomfort & pain, dizziness, fatigue, vomiting, uremia, and central nervous system depression.  
Inhalation: May cause irritation in throat, headaches, vomiting, nausea, dizziness.  
Skin Contact: None currently known.  
Eye Contact: Liquid vapors and mists may produce signs of central nervous system effects, particularly dizziness.  
Other Hazards: Swallowing may cause severe kidney damage.



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### EMERGENCY FIRST AID PROCEDURES

**Swallowing:** If person is conscious give two glasses of water or milk and induce vomiting. Contact physician immediately.

**Inhalation:** Remove to fresh air. Call a physician if discomfort persists.

**Skin Contact:** Flush skin with water and remove contaminated clothing, launder before re-use.

**Eye Contact:** Flush with water immediately for a minimum of 15 minutes lifting upper and lower lids occasionally. Get medical attention.

**Primary:** Ingestions

**Note to Physician:** The principal toxic effect of this material when swallowed will be due to the ethylene glycol content, which causes kidney damage. Early administration of ethanol may block the formation of nephrotoxic metabolites of ethylene glycol in the liver. Ethanol should be given intravenously, as a 5% solution in sodium bicarbonate at a rate of 10 ML ethanol per hour. Hemodialysis may be required.

### REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** None

**Materials to Avoid:** None

**Hazardous Decom Prod:** Carbon Monoxide/Carbon Dioxide

**Hazardous Polymerization:** Will not occur

**Additional Cond to Avoid:** None

### SPILL OR LEAK PROCEDURES

**Steps if Spilled:** Wear suitable protective equipment. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal. Incinerate in a furnace where permitted under appropriate regulations.

**Waste Disposal Method:** Above in accordance with local, state and federal regulations.

### SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** N/A

**Ventilation:** Local exhaust

**Impervious Gloves:** N/A

**Other PPE:** N/A

### SPECIAL PRECAUTIONS

**Storage & Handling Precautions:** May be fatal if swallowed. Do not breathe mist. Avoid prolonged or repeated breathing of vapors. Avoid contact with eyes. Wash thoroughly after handling.

**Other Precautions:** Where heavy concentration of a fine mist is present, a respirator should be used to prevent inhaling mist particles.

### HMS RATINGS

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

**Personal Protective Equipment:** B

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