



# SDS

## Safety Data Sheet

### 1) Product Identification

**Product Name: Propylene Glycol F.G.**

**Product Code: I00094**

**Recommended Use:** For use as non-toxic antifreeze in glycol chillers.

**Producer:** Birko Corporation  
9152 Yosemite Street  
Henderson, CO 80640-8027

**Contact Information:** (303) 289-1090 or 1-800-525-0476

**Emergency Number:** CHEMTREC 1-800-424-9300

## 2) Hazard(s) Identification

Health	Environmental	Physical
Acute Toxicity Cat. 5 Skin Corrosion Cat. 3 Eye Effects Cat. 2B	Aquatic Toxicity Acute Cat. 4	

**Labeling:****Symbol:****Signal Word: Warning  
Irritant**

**Hazard Statement(s):** This product may cause eye damage, and may be harmful if swallowed. Do not get into eyes or on clothing. In case of contact immediately flush with water for at least 15 minutes.

**Precautionary Statement(s):** **Contact** Use rubber gloves, protective splash-proof goggles, and protective clothing. Remove contaminated clothing and wash before re-use. Do not contaminate food, feed, or water. Keep container closed when not in use.

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**3) Composition/ Information on Ingredients**

Name(s)	Synonym(s)	CAS Number	Weight %
Propylene Glycol		57-55-6	100%

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**4) First-Aid Measures**

Inhalation	Skin Contact	Eye Contact	Ingestion
Remove from exposure. Administer oxygen if breathing is difficult. Resuscitate if necessary. Get medical help immediately	Promptly rinse exposed areas with water. Do not wear contaminated clothing until it has been laundered. If irritation persists, consult a physician.	Immediately rinse eyes thoroughly in cool running water for at least 15 minutes. If irritation persists, or inflammation or swelling occurs, seek medical attention.	Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

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**5) Firefighting Measures**

**Suitable Extinguishing Media:** Water, and Carbon Dioxide.

**Unsuitable Extinguishing Media:** N/A

**Specific Hazards:** Always wear self-contained breathing apparatus when fighting a chemical fire.

**Special Protective Actions for Fire-Fighters:** Carbon Monoxide/Carbon Dioxide gases liberated during combustion.

6) Accidental Release Measures

- Personal Precautions:** Be sure to use all necessary Personal Protective Equipment
- Environmental Precautions:** Avoid contamination of food, feed, waterway, or groundwater.
- Methods and Materials for Containment and Clean-Up:** Capture material and contain for re-use or disposal. Caution spilled material will be extremely slippery.

7) Handling and Storage

- Precautions for Safe Handling:** Do not contaminate food, feed, or natural water. Supplier is not responsible for disposition of this product. Do not reuse container. Maintain an eyewash station, and safety shower in product handling areas.
- Conditions for Safe Storage:** Keep container closed when not in use. Store in a cool, dry location.



8) Exposure Controls and Personal Protection

**Appropriate Engineering Controls:** Ventilation: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Exposure Limits:

Name (CAS-No.)	PEL	TWA	Ceiling	IDLH
N/A	N/A	N/A	N/A	N/A

### Personal Protective Equipment

Eye/Face	Gloves
	

**Eye/Face:** Safety glasses.

**Skin:** Wear appropriate clothing.

**Gloves:** Wear appropriate chemical resistant gloves.

**Respiratory:** Use only when concentrations exceed exposure limits. If limits are exceeded a NIOSH approved respirator is required. If eye irritation occurs use a full face style mask. If respirators are warranted in the workplace a respiratory protection programs must meet 29 CFR 1910.134, and be followed.

**Protective Material Types:** Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC), or Tychem (R)

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## 9) Physical and Chemical Properties

**Physical Form:** Liquid

**Appearance:** Clear, colorless

**Odor:** Odorless

**pH:** 7.0

**Melting Point:** -60°C

**Freezing Point:** -60°C

**Boiling Point:** 370°F

**Flash Point:** 210°F ASTM D56

**Evaporation Rate:** < 1

**Flammability:** Not flammable

**Vapor Pressure:** 0.129 mm HG@ 77°F

**Vapor Density:** 2.6

**Relative Density:** 8.64 lbs/gal at 60°F

**Specific Gravity:** 1.04

**Solubility:** Miscible

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## 10) Stability and Reactivity

**Chemical Stability:** Stable at normal temperatures and pressure.

**Possibility of Hazardous Reactions:** This product does not polymerize.

**Conditions to Avoid:** Heat, flames, ignition sources and incompatibles

**Materials to Avoid:** Strong oxidizer.

**Hazardous Decomposition Products:** Carbon Dioxide and water vapor.

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## 11) Toxicological Information

### Acute Toxicity:

Test	Results	Basis
LD50 Oral (rat)	20g/kg	Product test
LD50 Skin (rabbit)	20.8g/kg	Product test

**Summary Comments:** Contact with skin for extended periods of time can cause irritation. If irritation persists, seek medical attention.

### Sub-chronic/Chronic Toxicity:

Test	Results	Comments
N/A	N/A	N/A

**Summary Comments:** N/A

**Medical conditions aggravated by exposure:** N/A

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## 12) Ecological Information

### **Toxicity:**

Test	Results
LC/EC/IC50	>100mg/l

**Persistence and Degradability:** Biodegradable

**Bioaccumulative Potential:** This material is believed not to bioaccumulate.

**Mobility in Soil:** Biodegradable

**Other Adverse Effects:** N/A

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## 13) Disposal Considerations

**Disposal Method:** Whatever cannot be saved for recovery of recycling should be managed in an appropriate and approved waste disposal facility.

Empty Container: Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 14) Transport Information

**UN Number:** Not Regulated

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## 15) Regulatory Information

### **US Regulations:**

**CERCLA Sections 102a/103 Hazardous substances (40 CFR 302.4):** N/A

**SARA Title III SARA Sections 311/312 Hazardous Categories (40 CFR 370.21):**

Acute: Yes

Chronic: No

Fire: No

Reactive: No

Sudden Release: No

### **State Regulations:**

**California Proposition 65:** This product is not listed.

## Canadian Regulations:

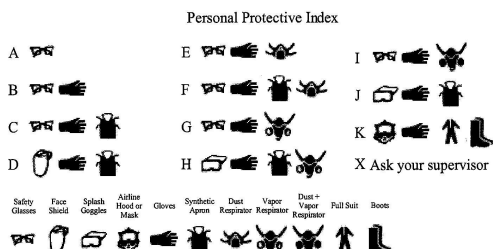
**Controlled Products Regulations (CPR):** This product has been classified in accordance with the criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the CPR.

**WHMIS Classification:** N/A

**National Inventory Status: U.S. Inventory (TSCA):** All the components of this substance are listed on or exempt from the inventory.

### Canada Inventory

**(DSL/NDSL):** All components of product are listed on the DSL



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## 16) Other Information

### HMIS

1	FLAMMABILITY
1	HEALTH
0	REACTIVITY
B	Personal Protection

### Hazard Index

4-Severe

3-Serious

2-Moderate

1-Slight

0-Minimal

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**Approved By:** Terry L. McAninch

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