



# MATERIAL SAFETY DATA SHEET

## Freez-Kontr'l

### I - PRODUCT IDENTIFICATION

**Company Name:** Nu-Calgon Wholesaler, Inc.  
**Address:** 2008 Altom Court, St. Louis, MO 63146-4151  
**Product Name:** Freez-Kontr'l  
**Synonyms:** Monopropylene Glycol

**Tel No:** (314) 469-7000, (800) 554-5499  
**CHEMTREC:** (800) 424-9300  
**Product Number:** 4188

### II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Propylene Glycol	57-55-6	70 - 80%		

All ingredients are TSCA listed.

### III - PHYSICAL DATA

**Vapor Pressure:** mm Hg: 0.1  
**Evaporation Rate:** (ether=1): N/A  
**Solubility in H<sub>2</sub>O:** Complete  
**Freezing Point °F:** -76° F  
**Boiling Point °F:** 360° F  
**Specific Gravity H<sub>2</sub>O=1 @25° C:** 1.04

**Vapor Density (Air=1) 60-90° F:** 2.6  
**VOC Content (% by wt.):** slightly volatile  
**pH @ Solution:** N/A  
**pH as Distributed:**  
**Appearance:** Lt blue liq. slightly vis.  
**Odor:** near odorless

### IV - FIRE AND EXPLOSION

**Flash Point F:** 211° F **Flammable Limits:** (% vol. in air) -17.4  
**Extinguishing Media:** CO<sub>2</sub> Dry chemical, Alcohol type foam  
**Special Fire Fighting Procedures:** Do not enter fire area without proper protection. See "decomposition products possible." Fight fire from safe distance/protected location. Heat may build pressure/rupture closed containers. Spreading fire. Increasing risk of burns/injuries. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although soluble, may not be practical to extinguish fire by water dilution. Notify authorities if liquid enters sewer/public water.  
**Unusual Fire and Explosion Hazards:** None.

### V - REACTIVITY DATA

**Stability - Conditions to avoid:** Stable; avoid high temperatures and severe oxidizing conditions.  
**Incompatibility:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Incomplete combustion may produce carbon monoxide and other harmful gases/vapors.  
**Conditions Contributing to Hazardous Polymerizations:** Will not occur.

### VI - HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),**  
**A. ACUTE (Primary Route of Exposure)** Slight eye irritant, No inhalation hazard identified from data. No skin absorption hazard identified from data. No skin irritation identified from data. No ingestion hazard identified from data.  
**B. SUBCHRONIC, CHRONIC, OTHER:** No chronic health effects are expected from normal use.  
**C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:**

### VII - EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** N/A  
**EYES:** Flush with water for 20-30 minutes retract eyelids often. Obtain medical attention if pain, blinking, tears or redness persist.  
**SKIN:** Not expected to present a significant skin hazard under anticipated conditions of normal use.  
**INGESTION:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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## VIII - SPILL OR LEAK PROCEDURE

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**Spill Management:** Evacuate/limit access. Prevent flow to sewers/public water. Stop release. Notify fire/environmental authorities. Restrict water use for cleanup. Slippery walking. Spread granular cover. Soak up small spill with inert solids. Use suitable disposal containers on water soluble material may float or sink. May biodegrade. Contain/minimize dispersion. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

**Waste Disposal Methods:** Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids. Diluting with clean, low viscosity fuel. Avoid flameouts. Assure emissions comply with applicable regulations. Avoid overloading/poisoning plant biomass. Assure effluent complies with applicable regulations. Contaminated product, soil or water should not be designated RCRA Hazardous waste.

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## IX - PROTECTION INFORMATION/CONTROL MEASURES

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**Respiratory:** None when used with adequate ventilation.

**Eye Protection:** Safety glasses **Glove:** Recommended

**Other Clothing and Equipment:** None required.

**Ventilation:** Use with adequate ventilation.

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## X - SPECIAL PRECAUTIONS

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**Precautions to be taken in Handling and Storing :** Hygroscopic, use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store at 65 - 90 °F.

**Additional Information:** Clean equipment with water.

### NFPA

Health Hazard ..... 1

Fire Hazard ..... 0

Reactivity ..... 0

Specific Hazard ...:

### HMIS RATING

Health Hazard ..... 1

Fire Hazard ..... 0

Reactivity ..... 0

Personal Protection ...: X (Sec. 9)

**Revision Date:** 09/15/2003

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