

# MATERIAL SAFETY DATA SHEET

## General Information

Company's Name: The Chemistry Store.com Inc.  
Company's Address: 1133 Walter Price St Cayce, SC 29033  
Company's Emerg Ph #: 1-800-535-5053 (Infotrac)  
Company's Info Ph #: 1-800-224-1430  
Date MSDS Prepared: 2/1/07

**PRODUCT NAME: Propylene Glycol**

## Ingredients/Identity Information

Ingredient: PROPYLENE GLYCOL Percent: >99 NIOSH (RTECS) Number: TY2000000 CAS Number: 57-55-6 OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

## Physical/Chemical Characteristics

Appearance And Odor: COLORLESS LIQUID, NO ODOR Boiling Point: 370F/188C Melting Point: UNKNOWN Vapor Pressure (MM Hg/70 F): 0.08  
MM Vapor Density (Air=1): 2.62 Specific Gravity: 1.038 Decomposition Temperature: UNKNOWN Evaporation Rate And Ref: UNKNOWN Solubility In Water: COMPLETE

## Fire and Explosion Hazard Data

Flash Point: 218F/103C Flash Point Method: PMCC Lower Explosive Limit: 2.6 Upper Explosive Limit: 12.5 Extinguishing Media: DRY  
CHEMICAL, WATER FOG, CARBON DIOXIDE, OR ALCOHOL FOAM Special Fire Fighting Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS Unusual Fire And Expl Hazrds: NOT AVAILABLE

## Reactivity Data

Stability: YES Cond To Avoid (Stability): NONE Materials To Avoid: OXIDIZING AGENTS. Hazardous Decomp Products: PROPIONALDEHYDE,  
CARBON MONOXIDE, CARBON DIOXIDE Hazardous Poly Occur: NO Conditions To Avoid (Poly): WILL NOT OCCUR.

## Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL-RATS) = 21-33.7 GM/KG Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES REPEATED CONTACT MAY CAUSE SLIGHT FLAKING, TENDERNESS, AND SOFTENING OF SKIN. HAZARDS FROM INHALATION AND INGESTION ARE NOT EXPECTED TO BE SERIOUS. CHRONIC EXCESSIVE EXPOSURES MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY NTP, IARC, OSHA. Signs/Symptoms Of Overexp: IRRITATION OF EYES. FLAKING, TENDERNESS, AND SOFTENING OF SKIN. Med Cond Aggravated By Exp: NO INFORMATION GIVEN ON MSDS BY SUPPLIER Emergency/First Aid Proc: SKIN: WASH OFF WITH FLOWING WATER OR SHOWER. EYES: IRRIGATE IMMEDIATELY WITH WATER FOR 15 MINUTES. INGESTED: NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE. IHALE: NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE INCIDENTAL TO PROPER INDUSTRIAL HANDLING.

## Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL SPILL: COVER WITH ABSORBENT MATERIAL, SOAK UP AND SWEEP INTO A DRUM. LARGE SPILL: DIKE AROUND SPILL AND PUMP INTO SUITABLE CONTAINERS. Neutralizing Agent: NO INFORMATION GIVEN ON MSDS BY SUPPLIER Waste Disposal Method: REPROCESS OR BURN IN AN APPROVED INCINERATOR IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS Precautions-Handling/Storing: EXERCISE REASONABLE CARE AND CAUTION.

## Control Measures

Respiratory Protection: WHEN AIRBORNE EXPOSURE GUIDELINES AND/OR CONFORT LEVELS MAY BE EXCEEDED, USE AN APPROVED AIR-PURIFYING RESPIRATOR. Ventilation: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT. Protective Gloves: IMPERVIOUS Eye Protection: SAFETY GLASSES, CHEMICAL GOGGLES/SPLASHS Other Protective Equipment: NONE Work Hygienic Practices: SUPPLIER DID NOT ADDRESS THIS FIELD. HMIS: USE GOOD CHEMICAL HYGIENE PRACTICE.