

CID 1030

# Propylene glycol

## Handling and Storage



### 1.1 Nonfire Spill Response



**SMALL SPILLS AND LEAKAGE:** If you should spill this chemical, use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, as well as any of your clothing which may be contaminated, in a vapor-tight plastic bag for eventual disposal. Wash any surfaces you may have contaminated with a soap and [water](#) solution. Do not reenter the contaminated area until the Safety Officer (or other responsible person) has verified that the area has been properly cleaned. **STORAGE PRECAUTIONS:** You should protect this material from exposure to light and moisture. Keep it away from oxidizing materials and store it under refrigerated temperatures. (NTP, 1992)

*National Toxicology Program, Institute of Environmental Health Sciences, National Institutes of Health (NTP). 1992. National Toxicology Program Chemical Repository Database. Research Triangle Park, North Carolina.*

► [CAMEO Chemicals](#)

### 1.2 Safe Storage



Separated from strong oxidants and alkalis. Dry. Well closed. Ventilation along the floor.

► [ILO International Chemical Safety Cards \(ICSC\)](#)

### 1.3 Storage Conditions



Propylene glycol is hygroscopic and should be stored in a well-closed container, protected from light, in a cool, dry place.

*Rowe, R.C., Sheskey, P.J., Quinn, M.E.; (Eds.), Handbook of Pharmaceutical Excipients 6th edition Pharmaceutical Press, London, England 2009, p. 593*

► [Hazardous Substances Data Bank \(HSDB\)](#)

Propylene glycol, dipropylene glycol, and [tripropylene glycol](#) are stable materials that require no special handling procedures. They are noncorrosive and can be transported or stored in stainless steel, [aluminum](#), and lined steel containers. [Carbon](#) steel is also acceptable, although slight [iron](#) contamination may occur upon extended periods of storage. U.S.P.-grade propylene glycol is typically stored in stainless steel.

*Sullivan, C.J; Ullmann's Encyclopedia of Industrial Chemistry 7th ed. (2008). NY, NY: John Wiley & Sons; Propanediols. Online Posting Date: June 15, 2000.*

► [Hazardous Substances Data Bank \(HSDB\)](#)