

COMMONLY USED NAMES FOR COMMERCIALY AVAILABLE PROPYLENE GLYCOL ETHERS

Propylene glycol ethers are referred to by a variety of chemical names. They are also often known by the trade names used by Panel members who manufacture them. To assist users and regulators in relating information from various sources that use different names for the same chemicals, the tables below list commonly used names and Chemical Abstract Service numbers (CAS #) for the commercially available propylene glycol ethers

Monopropylene Glycol Ethers and Acetates			
Chemical	Company Nomenclature	Chemical Synonym	CAS #
Propylene Glycol Monomethyl Ether (PGME or PM)	DOWANOL [®] PM Glycol Ether, methyl PROXITOL [®] , Propasol [®] Solvent M, Poly-Solv [®] MPM Solvent, Eastman PMARCOSOLV [®] PM	1-methoxy-2-propanol, 1-methoxy-2-hydroxypropane, 1-methoxypropanol-2, 2-methoxy-1-methylethanol, 2-propanol-1-methoxy	107-98-2 (a-isomer)* 1589-47-5 (b-isomer) 1320-67-8 (mixture) 28677-93-2 (mixture)
Propylene Glycol Monomethyl Ether Acetate (PGMEA or PM Acetate)	ARCOSOLV [®] PMA, DOWANOL [®] PMA, Eastman PM Acetate	1-methoxy-2-acetoxypropane	108-65-6 (a-isomer)* 70657-70-4 (b-isomer) 84540-57-8 (mixture)
Propylene Glycol Monoethyl Ether (PGEE or PE)	ARCOSOLV PEPropasol [®] Solvent E	1-ethoxy-2-propanol	1569-02-4 (a-isomer) 52125-53-8 (mixture)
Propylene Glycol Monoethyl Ether Acetate (PGEEA or PE Acetate)	ARCOSOLV PEA	1-ethoxy-2-acetoxypropanol	54839-24-6 (a-isomer)
Propylene Glycol Mono-n-propyl Ether (PGnPE)	Propasol [®] Solvent P, ARCOSOLV [®] PNP, DOWANOL [®] PNP	1-propoxy-2-propanol	1569-01-3 (a-isomer)* 30136-13-1(mixture)
Propylene Glycol Mono-n-butyl Ether (PGnBE or PnB)	Propasol [®] Solvent B, ARCOSOLV [®] PNB, DOWANOL [®] PNB	1-butoxy-2-propanol	5131-66-8 (a-isomer)* 15821-83-7 (b-isomer) 63716-40-5 (mixture) 29387-86-8 (mixture)
Propylene Glycol Mono-t-butyl Ether (PGtBE or PtB)	ARCOSOLV [®] PTB	1,1-dimethylethoxy-2 propanol	57018-52-7 (a-isomer)*
Propylene Glycol Monophenyl Ether (PGPhE)	DOWANOL [®] PPh Glycol Ether	1-phenoxy-2-propanol	770-35-4 (a-isomer) 4169-04-4 (b-isomer) 41593-38-8 (mixture)

Dipropylene Glycol Ethers, Acetates, and Diethers			
Chemical	Company Nomenclature	Chemical Synonym	CAS #
Dipropylene Glycol Monomethyl Ether (DPGME or DPM)	DOWANOL [®] DPM Glycol Ether, Ucar [®] Solvent 2M, Propasol [®] Solvent DM, Poly-Solv [®] DPM Solvent, ARCOSOLV [®] DPM	1-(2-methoxy-2-methylethoxy)-2-propanol, dipropylene glycol methyl ether	20324-32-7 (a-isomer) 34590-94-8 (mixture)*
Dipropylene Glycol Monomethyl Ether Acetate (DPGMEA or DPM Acetate)	ARCOSOLV [®] DPMA, DOWANOL [®] DPMA	1-(2-ethoxy-2-methylethoxy)-2-propanol, dipropylene glycol methyl ether acetate	88917-22-0 (mixture)*
Dipropylene Glycol Dimethyl Ether (DPGdiMM or DMM)	PROGLYDE [®] DMM	oxybis[methoxy]-Propane	111109-77-4 (mixture)*
Dipropylene Glycol Mono-n-butyl Ether (DPGnBE or DPnE)	ARCOSOLV [®] DPNB, DOWANOL [®] DPNB	1-(2-butoxy-2-methylethoxy)-2-propanol	29911-28-2 (a-isomer)* 35884-42-5 (mixture)
Dipropylene Glycol Mono-t-butyl Ether (DPGtBE or DPtB)	ARCOSOLV [®] DPTB	1-(1,1-dimethylethoxy)-2-methylethoxy)-2-propanol	132739-31-2 (mixture)
Dipropylene Glycol Mono-n-propyl Ether (DPnP)	ARCOSOLV [®] DPNP, DOWANOL [®] DPNP	1-(2-propoxy-2-methylethoxy)-2-propanol	29911-27-1* (a-isomer)

Tripropylene Glycol Ethers and Acetates			
Chemical	Company Nomenclature	Chemical Synonym	CAS #
Tripropylene Glycol Monomethyl Ether (TPGME or TPM)	DOWANOL [®] TPM Glycol Ether ARCOSOLV [®] TPM	1-[2-(2-methoxy 1-1methylethoxy) 1-1methylethoxy]-2-propanol, tripropylene glycol methyl ether	20324-33-8 (a-isomer) 25498-49-1 (mixture)*
Tripropylene Glycol Mono-n-propyl Ether (TPGnPE or TPnP)	DOWANOL [®] TPnP	Tripropylene glycol n-propyl ether [methyl-2-(methyl-2-propoxyethoxy)ethoxy]-propanol	96077-04-2 (mixture)*
Tripropylene Glycol Mono-n-butyl Ether (TPGnBE or TPnB)	ARCOSOLV [®] TPNB DOWANOL [®] TPNB	1-[2-butoxy-1-methylethoxy)-1-methylethoxy]-2-propanol, tripropylene glycol n-butyl ether	57499-93-1 (a-isomer) 55934-93-5 (mixture)*

Propylene glycol ethers are a group of chemicals with a wide variety of uses in industrial, commercial and consumer applications. Primary uses include solvents in paints, cleaners and inks.

Propylene glycol ethers have been tested in animal studies to assess potential toxicity to humans. Summaries of toxicity studies of propylene glycol ethers conducted by numerous government, academic and industry researchers are available in *Patty's Industrial Hygiene and Toxicology, Fifth Edition, Volume 7, Chapter 87* (2001) and in ECETOC Technical Report No. 64, *The Toxicology of Glycol Ethers and Its Relevance to Man* (2005). These data have been used to develop recommendations for use and handling.

The U.S. Environmental Protection Agency (EPA) has determined that propylene glycol ethers are not included within the listed category "glycol ethers" under either EPCRA §313 Toxic Release Inventory or Clean Air Act §112 Hazardous Air Pollutants (both lists include only ethylene glycol ethers). Nor are any propylene glycol ethers included in the various EPA Resource Conservation and Recovery Act, and Clean Water Act lists, nor the California Proposition 65 lists.

Use Precautions

CONSUMERS WHO USE PRODUCTS CONTAINING PROPYLENE GLYCOL ETHERS (INCLUDING MANY CLEANING PRODUCTS, PAINTS, BRAKE FLUIDS AND INKS) SHOULD BE AWARE THAT SUCH PRODUCTS ARE NOT INTENDED TO BE INGESTED. WITH LARGE EXPOSURES, PROPYLENE GLYCOL ETHERS - LIKE MOST CHEMICALS - CAN CAUSE ADVERSE TOXIC EFFECTS. CONSUMERS ARE URGED TO FOLLOW PRECAUTIONARY INSTRUCTIONS ON PRODUCT LABELS TO MINIMIZE INHALATION AND SKIN EXPOSURES.

For More Information...

The Panel has developed [Information Updates](#) that provide data on the toxicity databases, uses, regulations, and safety precautions for many of the propylene glycol ethers. These updates were written for technical users with background knowledge about chemicals. Users who wish more detailed information should consult product manufacturers to obtain Material Safety Data Sheets.

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