

DOWANOL™ PM

Propylene Glycol Methyl Ether

CH₃OCH₂CHOHCH₃ (Major isomer)

Description

A fast-evaporating, hydrophilic glycol ether with excellent active solvency and coupling abilities.

Introduction

DOWANOL PM glycol ether is the fastest evaporating solvent in the DOWANOL glycol ether family. With very high water solubility and active solvency, DOWANOL PM glycol ether is widely used in coating and cleaning applications. It offers better viscosity reduction than heavier molecular weight glycol ethers and is particularly effective in epoxy and high solids acrylic systems. DOWANOL PM can also be used in combination with DOWANOL PnB glycol ether in glass cleaning formulations.

Typical Physical Properties

These properties are typical but do not constitute specifications.

icacions.	
	90.1
248°F	120°C
88°F	31°C
-143°F	-97°C
	0.87 mmHg 11.6 mbar
	0.919
7.69 lb/gal 7.65 lb/gal	0.921 g/cm ³ 0.916 g/cm ³
	1.7
)	27.7
	2.44
Heat of vaporization (J/g) at normal boiling point	
Net heat of combustion (kJ/g) — predicted @ 25°C	
549°F	287°C
,	0.62 20
	- -
	15.6 7.2 13.6
	1.48 13.74
,	248°F 88°F -143°F 7.69 lb/gal 7.65 lb/gal

Classification/Registry Numbers††

CAS Number	107-98-2
AICS (Australia)	107-98-2
DSL (Canada)	107-98-2
ECL (Korea)	2-343
EINECS (EU)	203-539-1
MITI (Japan)	2-404
TSCA (U.S.)	107-98-2

†† NOTE: Classifications apply only to this glycol ether product. It is the responsibility of the formulator to ensure that the final finished product complies with the regulations of a given country prior to its sale or distribution in that country.

Suggested Applications

- Active solvent for solvent-based coatings.
- Active and tail solvent for solvent based gravure and flexographic printing inks.
- Coupling agent in solvent blends for water-based gravure, flexographic, and silk screen printing inks.
- Carrier solvent for ball point and felt tip writing pen inks.
- Coupling agent and solvent for household and industrial cleaners, rust removers, and hard surface cleaners.
- Solvent for agricultural pesticides, deactivator and emollient for livestock pesticides.

Features

- Powerful solvency
- Moderate evaporation rate
- Low viscosity
- High dilution ratio
- Low surface tension
- Coupling ability
- Wide range of applications

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

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