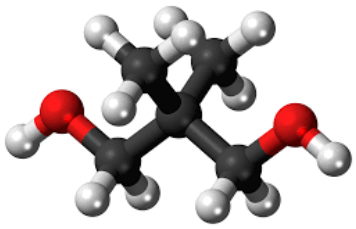
Neopentyl Glycol TDS



Neopentyl Glycol, also known as NPG, is a diol with two hydroxyl groups (-OH). Its structure consists of a short carbon chain protected by methyl groups. This structure makes it very stable.

Main applications of NPG

n the coating industry: Paints and coatings made with neopentyl glycol are highly resistant to sunlight (UV rays), moisture, and chemical agents. For this reason, NPG is used in automotive paints and building protective coatings.

Physical and Chemical Properties of NPG	
Chemical formula	C5H12O2
Appearance	White, flaky material
Molecular mass	104.148 g/mol
Density	1.06
Melting point	126-128 °C
Boiling point	208 °C
Flash point	152°C (open-cup method)
vapor density	3.6 (vs air)
vapor pressure	<0.8 mm Hg (20 °C)
Ignition point	399°C
Solubility in water	83 g/100mL at 20°C
Dissolvability	soluble in benzene, chloroform, very soluble in ethanol, diethyl ether

Neopentyl Glycol Index Properties:

- ✓ Oxidation Resistance
- ✓ Thermal Stability
- ✓ Moisture Resistance

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