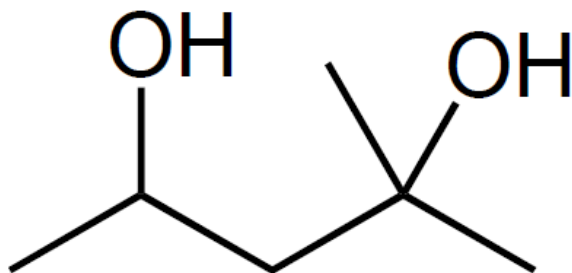


Hexylene Glycol



Hexylene Glycol (HG) is a clear, colorless liquid. The principal end uses of HG include industrial solvent, chemical intermediate, cosmetics, excipient in pharmaceuticals, paints and coatings. Available in technical grade and NF grade.

CAS number

107-41-5

Synonyms

2,4-Dihydroxy-2-methylpentane; 2-Methyl-2,4-pentanediol; 2-Methylpentane-2,4-diol; Pentane-2,4-diol, 2-methyl

Product code

40786

Typical Physical Properties of HG

Molecular Weight	118.2 g/mol
Empirical Formula	C ₆ H ₁₄ O ₂
Appearance	Colorless Liquid
Freezing Point	-50°C (-58.0°F)
Boiling Point @ 760mm Hg	198°C (388°F)
Flash Point – Closed Cup	96°C (205°F)
Autoignition Temperature	306°C (583°F)
Density @ 20°C	0.924 kg/L 7.71 lb/gal
Vapor Pressure @ 25°C	0.013 mmHg
Evaporation Rate (nBuAc = 1)	0.007
Solubility in Water @ 20°C	Miscible
Surface Tension @ 20°C	33.1 dynes/cm
Refractive Index @ 20°C	1.426
Viscosity @ 20°C	38.9 cP
Lower Explosive Limit	1.2 v/v%
Upper Explosive Limit	8.1 v/v%
Conductivity @ 20°C	3x10 ⁶ pS/m
Dielectric Constant @ 20°C	≈7.7
Specific Heat @ 20°C	2.20 kJ/kg/°C
Heat of Vaporization @ normal boiling point	435 kJ/kg
Heat of Combustion @ 25°C	29875 kJ/kg
Odor Threshold	50 ppm

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

Health and safety information

Under current U.S. OSHA's Hazardous Communication program HG is classified as a skin and eye irritant and reproductive toxicity hazard.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

Storage and Handling

General industry practice is to store HG in carbon steel vessels. Storage in properly lined steel or stainless steel to avoid slight discoloration from carbon steel is recommended. Product stored or delivered in unlined carbon steel vessels must be filtered due to technically unavoidable particles.

HG should be stored under a nitrogen blanket when available. This product may absorb water if exposed to air.

HG should be stored only in tightly closed, properly vented containers away from heat, sparks, open flame, or strong oxidizing agents. Handle empty containers carefully. Combustible residue remains after emptying.

Provided proper storage and handling precautions are taken, HG manufactured and delivered by Monument Chemical is stable for at least 24 months from the date of manufacture. HG that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the retest date should be evaluated to confirm that all specifications are within their limits before use.

Additional Information

To learn more about Monument Chemical and the products and services we offer please visit our website at www.monumentchemical.com.

Effective Date: 2/19/2024

Revision: 4

Disclaimers

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, email SDS@monumentchemical.com. Before using or handling this product, the SDS should be thoroughly reviewed.

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