

Hexane

Property	Unit	Typical Value
Molecular Formula	-	C_6H_{14}
Boiling Point	$^{\circ}C$	69
Density at 20 $^{\circ}C$	g/cm^3	0.655
Flash Point	$^{\circ}C$	-22
Purity	% wt	≥ 99
Water Solubility	mg/L	9.5
Vapor Density	(air=1)	2.97

Hexan

Hexane is a hydrocarbon consisting of six carbon atoms in an unbranched chain, with the molecular formula C_6H_{14} . The term may refer to any of the five structural isomers with this formula or a mixture of them. It is a non-polar molecule, meaning weak intermolecular interactions occur between its molecules in the pure liquid state.

This hydrocarbon is a key component of gasoline. It is also a highly volatile, flammable, and toxic chemical, classified as a byproduct of crude oil. Hexane isomers are commonly used as organic solvents due to their strongly non-polar nature.

Application

- Oil extraction from seeds (soybean, canola)
- Degreasing agent for industrial parts
- Adhesive production for textiles/leather
- Solvent in paint, varnish, and ink formulations
- Laboratory reagent for nonpolar reactions
- Biodiesel production
- Cleaning agent formulations

Product Features

- Highly effective nonpolar solvent
- Low boiling point for easy separation
- Excellent degreasing capability
- High volatility for rapid drying
- Suitable for lipase-catalyzed reactions
- Low water solubility

Packaging

- Metal drums (200 L, 220 L)
- IBC totes (1000 L)
- Mini-tanks (10 L, 20 L)