

## Hexamethylene Diisocyanate (HDI)

Technical DataSheet | Supplied by Vencorex

Hexamethylene Diisocyanate (HDI) by Vencorex is aliphatic and used in the chemical synthesis of aliphatic polyisocyanates and polyurethanes, such as aqueous dispersible polyurethane polymers (PUD) showing exceptional weathering resistance and flexibility. Applications include resins for UV radiation curing and PU elastomers. It has a shelf life of 12 months.

<b>Product Type</b>	Isocyanates > Aliphatics > HDI, Hexamethylene Diisocyanates
<b>Chemical Composition</b>	Hexamethylene-1, 6-diisocyanate
<b>CAS Number</b>	822-06-0
<b>Physical Form</b>	Liquid
<b>Appearance</b>	Clear, Colorless
<b>Product Status</b>	COMMERCIAL
<b>Geographical Availability</b>	Africa, Asia / Pacific, Central and Eastern Europe, Middle East and Central Asia, South and Central America, Western Europe

## Hexamethylene Diisocyanate (HDI) Properties

Property	Value & Unit	Test Condition	Test Method
<b>Molecular weight</b>	168.2 g/mol		
<b>Hydrolyzable chlorine</b>	< 0.035 %		
<b>Total chlorine content</b>	< 0.1 %		
<b>Assay</b>	> 99.5 %		



## Technical Data Sheets

**Bulk density @ 25°C** 1050 kg/m<sup>3</sup>

**Specific heat @ 20°C** 1.76 kJ/kg

**Boiling point (under 1.33 KPa)** 122 °C

**Vapor pressure @ 20°C** 0.22 Pa

**Self-ignition temperature** 454 °C

**Flash point (closed cup)** 130 °C

**Vapor density (air = 1)** 6

**Concentration of saturated vapor @ 20°C** 46 mg/m<sup>3</sup>

**Color** < 15 APHA