

**SECTION 9: Physical and chemical properties and safety characteristics**

<b>Physical state</b>	Cyclohexylamine is a clear colorless to yellow liquid with an odor of ammonia. Flash point 90°F. Irritates the eyes and respiratory system. Skin contact may cause burns. Less dense than water. Vapors heavier than air. Toxic oxides of nitrogen produced during combustion.
<b>Colour</b>	Colorless or yellow liquid.
<b>Odour</b>	Strong, fishy, amine odor.
<b>Melting point/freezing point</b>	17°C(lit.)
<b>Boiling point or initial boiling point and boiling range</b>	135°C
<b>Flammability</b>	Class IC Flammable Liquid: F.I.P. at or above 73°F and below 100°F.
<b>Lower and upper explosion limit/flammability limit</b>	no data available
<b>Flash point</b>	30°C(lit.)
<b>Auto-ignition temperature</b>	560° F (USCG, 1999)
<b>Decomposition temperature</b>	no data available
<b>pH</b>	STRONG BASE
<b>Kinematic viscosity</b>	2.10 Pa/s at 20°C
<b>Solubility</b>	Very soluble (NTP, 1992)
<b>Partition coefficient n-octanol/water</b>	log Kow = 1.49
<b>Vapour pressure</b>	10 mm Hg ( 22 °C)
<b>Density and/or relative density</b>	0.867
<b>Relative vapour density</b>	3.42 (vs air)
<b>Particle characteristics</b>	no data available