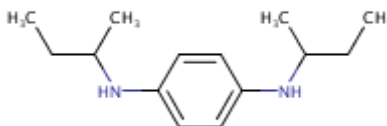




## Technical Data Sheet

<b>Product name:</b>	AO-4720
<b>Product Form:</b>	Liquid
<b>Chemical name:</b>	N,N'-Di-sec-butyl-p-phenyldiamine
<b>Synonym:</b>	1,4-Benzenediamine, N,N'-bis(1-methylpropyl)-; Santoflex 44PD, Du Pont Gasline Antioxidant No 22, Topanol M; Tenamene 2
<b>CAS No:</b>	101-96-2
<b>EINECS No:</b>	202-992-2
<b>Molecular formula:</b>	C <sub>14</sub> H <sub>24</sub> N <sub>2</sub>
<b>Molecular weight:</b>	220.36
<b>Structure formula:</b>	



### Chemical Specification

Appearance	Red to brown liquid, no special odor
Assay (%)	97.0 min.
Ash (%)	0.3 max.
Insolubles in methanol (%)	0.1 max.

### Physical Property:

Melting Point (°C)	18
Log P (octanol-water)	3.500
Water Solubility (mg/l)	95.8
Vapor Pressure (mmHg)	1.56E-03
Atmospheric OH Rate Constant (cm <sup>3</sup> /mol-sec)	1.17E-10

**Packing:** in drum on pallet or ISO tank

**USE:**

AO-4720 is an amine based antioxidant particularly effective for gasoline produced by cracking or pyrolysis (high olefin content gasoline)

When used in gasoline and gasoline formulations containing oxygenates, AO\_4720 reduces gum formation by inhibiting the oxidation of the olefins present in the fuel

AO-4720 is also effective at preventing oxidation of gasoline manufactured through pyrolysis.

**Using dosage:**

0.01 ~ 0.01%

**Storage:**

Store it in a cool, ventilated area, avoiding exposure of the packaged product to direct sunlight. Extended storage below 18°C could cause material to solidify. Solid material can be melted upon gentle warming.