



TECHNICAL DATA SHEET

Product Name	Avalub BODPA Butylated Octylated Diphenylamine										
Acronym	BODPA										
CAS No.	68411-46-1										
Synonyms	N-Phenylbenzenamine, reaction with 2,4,4-trimethylpentene										
Chemical Formula	C ₂₀ H ₂₇ N										
Molecular Weight	99-100										
Description	<p>BODPA imparts good protection against degradation due to heat and oxygen. Its high nitrogen content and liquid form allow BODPA to be easily blended into all types of high performance lubricants. This product is especially suitable for use in synthetic and mineral oil based lubricant used in high temperature applications.</p> <p>BODPA can also be used in synthetic base fluids such as silicone oils and diesters.</p>										
Properties	<p>BODPA imparts excellent oxidation resistance. High nitrogen content and liquid form allow to be easily blended.</p> <p>High temperature oxidation stability and gives good stabilizing properties.</p>										
Application Areas	<table><thead><tr><th></th><th>Typical Treat Levels</th></tr></thead><tbody><tr><td>Hydraulic and Circulating oils</td><td>0.2 – 0.6%</td></tr><tr><td>Compressor and Paper Machine Oils</td><td>0.2 – 0.5%</td></tr><tr><td>Greases and Engine Oils</td><td>0.2 – 0.6%</td></tr><tr><td>Industrial and Automotive Gear Oils</td><td>0.1 – 0.6%</td></tr></tbody></table>		Typical Treat Levels	Hydraulic and Circulating oils	0.2 – 0.6%	Compressor and Paper Machine Oils	0.2 – 0.5%	Greases and Engine Oils	0.2 – 0.6%	Industrial and Automotive Gear Oils	0.1 – 0.6%
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Packaging											
Pallet Size	440 lb / 200 kg drum 1760 lb / 800 kg per standard size pallet										
Bulk	FCL of 16 MT palletized and shrink wrap										



Avalon Chemicals, Inc.

SPECIFICATION SHEET

Product : **Avalub BODPA**
Butylated Octylated Diphenylamine

CAS No. : 68411-46-1

Parameters	Specification
Appearance	Clear viscous liquid
Color	Yellowish to reddish brown
Kinematic Viscosity @ 40 °C, cSt	200 - 400
Density @ 25 °C	0.9700 – 0.9800 gm/cm ³
Refractive Index @ 20 °C	1.5680 – 1.5800
Flash Point	185 °C min
Nitrogen Content	4.0 – 5.0 %