# **Antioxidant Plaox-BODPA**

Chemical name: Butylated, Octylated Diphenylamine

Chemical Description: Liquid grade of mixed alkylated diphenyl amine, having mainly octylated &

butylated diphenylamines

Equivalent: Naugalube-640/ Irganox L-57

CAS No.: 68411-46-1 Structural formula:

$$R^{1}$$
 $NH$ 
 $R^{2}$ 

 $\mbox{R}^{1},\mbox{R}^{2}\!\!=\!\!\mbox{H},\,\mbox{C}_{4}\mbox{H}_{9},\,\mbox{or}\,\,\mbox{C}_{8}\mbox{H}_{17}$  and other alkyl chains

## **PHYSICAL PROPERTIES:**

Appearance: Clear viscous liquid Specific gravity (g/ml), @20 °C: 0.97 ~ 0.98

Flash point: 180 °C min

Solubility (g/100g solvent), @20 °C

Mineral Oil: 5 min Water: 0.01 max

Ester: 5 min

## **SPECIFICATIONS**

Appearance: Clear viscous liquid Flash point (°C), COC: 180 min Color: Yellow to reddish brown  $N_2$  content (%):  $4.0 \sim 5.0$ 

Density (g/ml), @20 °C:  $0.97 \sim 0.98$  Viscosity (mm<sup>2</sup>/s), @ 40 °C:  $200 \sim 400$ 

#### **APPLICATIONS**

General purpose ashless antioxidant for high temperature applications in engine oils, compressor oils, turbine oils, hydraulic fluids, greases

## **PACKING**

200 litres drums