



## LubenzAdd<sup>®</sup> 452 PIBSI(HN)

### ❖ **PRODUCT INTRODUCTION:**

Aashless Polyisobutylene Succinimide Dispersants lubricating oil additive with extended thermal stability. It is generally used with alkaline detergents, corrosion and oxidation inhibitors, in gasoline and diesel engine oils. This additive provides excellent low temperature sludge and varnish control in gasoline engines and effective dispersancy for deposit control in both medium-speed and high temperature super-charged diesel engines.

### ❖ **FORMULATION GUIDANCE:**

Recommended at dosage of 2.0% to 5.0% by weight.

### ❖ **ADVANTAGES**

- 1) Excellent low-temperature sludge dispersibility and high temperature detergency
- 2) Free of chlorine, conforming to environmental requirements
- 3) Effectively inhibit the generation of coke

### ❖ **PRODUCT QUALITY CHARACTERISTICS & TEST METHOD**

TEST	METHOD	SPECIFICATION
Appearance	Visual	Clear Liquid
Specific Gravity @ 15.6°C	ASTM D 1298	0.890 – 0.935
Viscosity @ 100°C, cst.	ASTM D 445	260 Min
Flash Point, °C (PMCC)	ASTM D 93	175
Nitrogen %, wt	ASTM D 5291	2.8 – 3.2
TBN, mg KOH/g	ASTM D 2896	75 - 90

### ❖ **PRODUCT STORAGE / HANDLING / TRANSPORTATION / PACKAGE.**

The Storage temperature should not exceed 50°C the loading / unloading and blending temperature should not exceed 60°C. It is not flammable, not explosive, not corrosive, in the items of safety, environment protection etc. it is normal petroleum product, with no special protection. The product packed with 200 Kgs drums and 50 kgs carbos.