Unofficial TECHNICAL INFORMATION SHEET

Additin® RC 7001     Antioxidant

Description:
Aminic antioxidant

Composition
\[ p,p'-	ext{dioctyldiphenylamine} \]

Appearance
light to dark brown granules

Nitrogen
approx. 3.5 % weight

Density, 40°C (ASTM-D 941)
approx. 990 kg/m3

Melting Point
> 85°C

Application - hydraulic oils- compressor oils- synthetic ester based jet engine oils - polyglycols, silicon oils- greases- ATF

Solubility
Additin RC 7001 is an aminic antioxidant of high purity and characterized as octylated diphenylamine. Additin RC 7001 has excellent handling and blending properties. It is supplied in small granules in order to avoid dust problems associated with powders.

Additin RC 7001 is used to stabilize lubricants against oxidation and sludge formation. (e.g. high temperature lubes like silicones, but also ATF). Typical treat rates are 0.5 - 2 %. 
Additin RC 7001 is also applied in greases and shows synergistic effects in combination with Additin RC 7130 or Additin RC 7010. In mineral oil based lubricants such as turbine oils Additin RC 7001 is synergistically active in combination with phenols e.g. Additin RC 7110 or Additin RC 7115 and copper inhibitors e.g. Additin RC 8221 or Additin RC 8239.

Additin RC 7001 is registered at NSF as an ingredient in lubricants with incidental food contact (HX-1) for use in and around food processing areas. Additin RC 7001 is in compliance with § 178.3570 according to U.S. Food and Drug administration regulations (lubricants with incidental food contact).

**Solubility** Soluble in mineral oils and synthetic base oils. However, it is necessary to verify the solubility in the base oils used and the compatibility with other additives.