Additin® RC 7110 Antioxidant

Description:
Phenolic antioxidant

Composition
2,6-tert.butyl-4-methylphenol (BHT)

Appearance
colourless crystals

Purity
99.8%

Density, 20°C (ASTM-D 941)
approx. 1030 kg/m3

Solidification Point
approx. 69°C

Application - hydraulic fluids - metalworking oils - industrial gear oils - turbine oils - polyglycols - natural and synthetic esters

Additin RC 7110 is a crystalline antioxidant belonging to the group of sterically hindered, nondiscolouring phenols. The field of application of this universal oxidation inhibitor includes most types of lubricants. Limitations are given by the long term oil temperature which should not exceed 90°C in open and 120°C in closed systems.

Additin RC 7110 is registered at NSF as an ingredient in lubricants with incidental direct food contact (HX-1) for use in and around food processing areas. Additionally Additin RC 7110 can be applied for processes with indirect food contacts. Additin RC 7110 is in compliance with § 178.3570 according to U.S. Food and Drug administration regulations (lubricants with incidental food contact). The stabilizing effect of RC 7110 on vegetable and animal fats well-
known in food industry. For this reason and from field experience Additin RC 7110 is recommended to stabilise biodegradable lubricants such as rapeseed oil and synthetic esters.

The chemical purity of Additin RC 7110 meets food grade quality. Additin RC 7110 is not qualified for food stuff, cosmetics, pharmaceuticals and animal feed. In case of applications requesting - microbiological purity or - HACCP or GMP requirements Additin RC 7110 FG should be used.

The combination of Additin RC 7110 with aminic antioxidants, e.g. Additin RC 7135 and/or copper deactivators, e.g. Additin RC 8221, is leading to more extensive oxidation inhibiting properties.

**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.