

Additin® RC 3180

Antiwear Additive

Type Antiwear additive, oxidation inhibitor and mild corrosion inhibitor; light-coloured, low odoured, and free of mineral oil

Technical data*	Composition	2-ethylhexyl zinc dithiophosphate
	Appearance	clear, yellow, oily liquid
	Colour (ASTM-D 1500)	approx. 1.5
	Zinc	approx. 9.5 % weight
	Phosphorus	approx. 8 % weight
	Sulphur	approx. 16 % weight
	Copper corrosion (ASTM-D 130), 1% weight Additin RC 3180 in a paraffinic base oil, 3 h/160°C:	1a - 1b
	Viscosity, 40°C (ASTM-D 445)	approx. 300 mm ² /s
	Density, 20°C (ASTM-D 1298)	approx. 1150 kg/m ³
	Flash point, COC (ASTM-D 92)	> 150°C
Mineral oil content	none	

- Application**
- water-miscible metalworking fluids
 - metalworking fluids
 - greases
 - mineral oil-free industrial lubricants
 - motor oils

Due to its special manufacturing process Additin RC 3180 exhibits outstanding antiwear and antioxidant properties as well as good thermal stability. It performs over a wide temperature range. For this reason, Additin RC 3180 is ideally suited for formulating a wide variety of thermally and oxidatively stable lubricants. By virtue of its chemical structure Additin RC 3180 is extremely stable against hydrolysis. Additin RC 3180 is free of mineral oil. In combination with appropriate emulsifiers it is ideally suited for use in micro-emulsions.

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.

Test results -

Packing unit 200 kg bunghole drums

Storage conditions in a dry place at room temperature approx. 12 months

Handling This product is dangerous for the environment, symbol N. Consult material safety data sheet (MSDS)

for additional handling information on Additin RC 3180.

® = registered trade mark

* The analytical data are guide values.

Additin RC 3180 is on EINECS and TSCA inventory.

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Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the

products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely rely on your own responsibility. Should, in spite of this,

liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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