

## Additin® RC 3212

## Antiwear Additive

<b>Type</b>	Antiwear additive, oxidation inhibitor and steel corrosion inhibitor; light-coloured and low odoured
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<b>Technical data*</b>	Composition	long chain zinc dialkyldithiophosphate
	Appearance	clear, yellow, oily liquid
	Colour (ASTM-D 1500)	approx. 1.5
	Zinc	approx. 6 % weight
	Phosphorus	approx. 6 % weight
	Sulphur	approx. 12 % weight
	Viscosity, 40°C (ASTM-D 446)	approx. 100 mm <sup>2</sup> /s
	Density, 20°C (ASTM-D 1298)	1012 kg/m <sup>3</sup>
	Flash point (COC)	approx. 200°C
	Mineral oil content	approx. 10 % weight

<b>Application</b>	<ul style="list-style-type: none"> <li>- metal working fluids (especially forming oils)</li> <li>- greases</li> <li>- engine oils</li> <li>- gear oils</li> </ul>
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Additin RC 3212 is a very special low phosphorus / low zinc type ZnDTP with unconventional properties. Unlike standard type ZnDTP's Additin RC 3212 contributes to low friction, improved lubricity and anti-rust performance.

Additin RC 3212 even outperforms standard type ZnDTP's based on C3- to C8-alcohols in their EP/AW characteristics. Because of these outstanding performance details Additin RC 3212 is particularly suitable for the use in metal working fluids where high lubricity/low friction is required (e.g. forming oils etc.). Additionally Additin RC 3212 may contribute to reduce the zinc and phosphorus content in ZnDTP-containing lubricants without sacrificing the wellknown "all-round" properties of ZnDTP's.

<b>Solubility</b>	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.
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<b>Test results</b>	Test results see Technical Report
<b>Packing unit</b>	200 kg bung-hole drums
<b>Storage conditions</b>	in a dry place at room temperature approx. 12 months.
<b>Handling</b>	Due to the long alkyl chains Additin RC 3212 may solidify during extended storage time at temperatures below 10°C. This process is fully reversible. Therefore it is recommended to use a heating chamber prior to blending. Consult material safety data sheet (MSDS) for additional handling information on Additin RC 3212.

® = registered trade mark

\* The analytical data are guide values.

Additin RC 3212 is on EINECS and TSCA inventory.

**Version:** 1/01. Mar 99

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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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