

Additin® RC 3038

Antiwear Additive

Type	Antiwear additive, oxidation inhibitor and mild corrosion inhibitor; light-coloured and almost odourless
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Technical data*	Composition	zinc dialkyldithiophosphate with primary and secondary alkyl groups
	Appearance	clear, yellow, oily liquid
	Colour (ASTM-D 1500)	approx. 1.5
	Zinc	approx. 9 % weight
	Phosphorus	approx. 8.5 % weight
	Sulphur	approx. 17 % weight
	Copper corrosion (ASTM-D 130), 1% weight Additin RC 3038 in a paraffinic base oil, 3 h/160°C:	1a - 1b
	Viscosity, 40°C (ASTM-D 445)	approx. 100 mm ² /s
	Density, 20°C (ASTM-D 1298)	approx. 1120 kg/m ³
	Flash point, COC (ASTM-D 92)	> 150°C
	Mineral oil content	approx. 20 % weight

Application	<ul style="list-style-type: none"> - cutting oils - drawing oils - punching oils - shock absorber oils - greases
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Additin RC 3038 is particularly suitable for use in metalworking fluids, because of its well-balanced alkyl groups and lack of odour (the latter being a result of the manufacturing process). It exhibits antiwear and mild EP performance. Additin RC 3038 performs over a wide temperature range. In an appropriate base oil Additin RC 3038 can be combined with sulphur carriers, e.g. Additin RC 2415 for use as chlorinated paraffin replacement.

Solubility	Soluble in mineral oils and synthetic base oils. However, it is necessary to verify the solubility in the base oils used and the compability with other additives.
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Test results	-
Packing unit	200 kg bunghole drums
Storage conditions	in a dry place at room temperature approx. 12 months
Handling	Consult material safety data sheet (MSDS) for additional handling information on Additin RC 3038.

® = registered trade mark

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* The analytical data are guide values.

Additin RC 3038 is on EINECS and TSCA inventory.

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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