

Supplier - SMART OIL

**Smart Base RP9490**

*Phosphate Ester Based Corrosion Inhibitor*

*Water-Based Corrosion Inhibitors*

**Typical Properties**

Appearance	Clear Yellow to Amber Liquid
Specific Gravity@25°C	1.000 - 1.200
pH Value (Concentrate)	8.4
pH Value (5% Water Dilution)	7.8 - 8.8
Viscosity@40°C, cSt	100 - 300
Residue Film Layer	Soft, Not Viscous

**Product Description**

**SMART BASE RP9490** is a high performance corrosion inhibitor for yellow metals.

**SMART BASE RP9490** contains alkanolamine, carboxylate acid salt and triazole derivatives. It is suitable for formulations of soluble oils, semi-synthetic and synthetic fluids.

**SMART BASE RP9490** can effectively protect various types of aluminum alloys; including 319 (cast aluminum alloy), 2024-T3 (high copper aluminum alloy), 6061 (high magnesium aluminum alloy) and 7075 (high zinc aluminum alloy). It can also protect copper and cast iron.

**SMART BASE RP9490** has pH greater than 8, so system stability cannot be spoiled easily.

**SMART BASE RP9490** possesses lubricating property, so can extend tool life.

**Product Features:**

- Will not reduce pH value when added in formulation;
- Will improve lubricity and AW properties;
- Good hard water resistant;
- Liquid, so easy to blend.

**Applications**

Concentrate  
Sumpside

**Suggested Treat Rates, %wt**

1 - 5  
0.05

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