

**Supplier - SMART OIL**  
**Smart Base RP9890**  
*Phosphate Ester Based Corrosion Inhibitor*  
*Water-Based Corrosion Inhibitors*

### Typical Properties

Appearance	Yellow to Brown Liquid
Specific Gravity@25°C	1.020 - 1.160
pH Value (5% Water Dilution)	8.1 - 9.1
Copper Corrosion Test (55±2°C soaked thoroughly, 4hrs )	Grade A
Aluminium Corrosion Test (55±2°C soaked thoroughly , 4hrs )	Grade A
Monolithic Antirust Test (35±2°C, 24 hrs )	Grade A

### Product Description

**SMART BASE RP9890** is a highly concentrated non-ferrous metal corrosion inhibitor containing alkanolamine, carboxylate and triazole derivatives. It is suitable for formulation of soluble oils, semi-synthetic and synthetic fluids.

**SMART BASE RP9890** 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 RP9890** possesses good anti-wear and lubricating characteristics that can attain synergistic effect when used with polymeric esters.

**SMART BASE RP9890** can be used as tankside additive, and can also be used as short-term rust inhibitor after dilution with water.

### Product Features:

- Will not reduce pH value when added in formulations;
- Will improve lubricity and AW properties;
- Good hardness resistance.

#### Applications

Concentrate  
Tankside

#### Suggested Treat Rates, %wt

1 - 5  
0.05

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