

RPA 500

AQUEOUS BASED SYNTHETIC CORROSION PREVENTATIVE

▷ PRODUCT DESCRIPTION

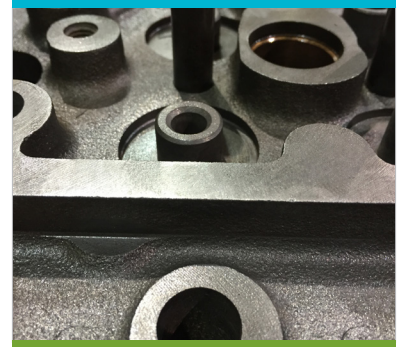
RPA 500 is a water dilutable corrosion inhibitor based on the select volatility of amine chemistries. RPA 500 is recommended for applications that require short term (1-3 months) to long term (12-16 months) indoor protection of cast iron and steel alloys. RPA 500 contains no diethanolamine or nitrites.

RPA 500 is an effective rust inhibitor at low concentrations. It is completely soluble in water and may be used as an in-process rust inhibitor. Due to the product's solubility, you can tailor the product's concentration to meet your protection requirements. RPA 500 forms a near imperceptible film on machine parts for excellent corrosion protection without forming a sticky residue. It is also compatible in a wide range of water hardness. The clear dilution makes it ideal choice for leak test baths.

▷ FEATURED BENEFITS

- Short term nondiscernible film
- Will not leave heavy tacky residues typically associated with water based RP's
- Low foaming for both spray and dip applications
- Passes 10 freeze thaw cycles
- Nitrite free

APPLICATION



COMPATIBLE METALS

Cast Iron
Carbon Steel
Tool Steel
Stainless Steel

APPLICATION METHOD

Immersion Tank
Spray
Flow-coat

OPERATING TEMPERATURE

Ambient – 150°F (66°C)

DILUTION RANGE

2 – 10% v/v

RUST PROTECTION

Indoor up to 16 months





TYPICAL PROPERTIES

Fluid Type	Water based
Appearance	Viscous amber liquid
Odor	Mild chemical
Specific Gravity, 60°F (15.6°C)	1.03
Weight, lb/gal., 60°F (15.6°C)	8.58
pH (2% dilution)	8.5

PRODUCT APPLICATION / USAGE

RPA 500 can be applied to ferrous parts by immersion, spray, or flow-coat systems. Initially a 5% concentration of RPA 500 should be added to the mixed coolant tank. Then adjust the concentration to provide the desired level of protection. RPA 500 can also be used as a standalone corrosion inhibitor. A concentration of 10-15% will provide indoor storage protection for 6-12 months. It is desirable to dry the parts as quickly as possible after treating with RPA 500 to increase the length of corrosion protection. This can be achieved from the blow off after applying in the last stage of a conventional washer.

MIXING DATA

Concentration control is easily maintained with a hand held refractometer or Chemtool titration kit.

Concentration	10%	6%	5%	4%	3%	2%
Titration Test Kit (# drops 0.5 N HCl)	22	13	11	9	7	5
Refractometer Reading	3.75	2.25	1.75	1.50	1.00	.75

PRODUCT CODE

5200300000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).