

Technical Data Sheet



RLT - P1020 Water-based Rust Inhibitor

DESCRIPTION:

RLT- P1020 Water-based rust inhibitor is a kind of high quality water soluble rust inhibitor. It is composed of long carbon chain polycarboxylic acid and organic amine. The product has good water solubility, transparent and clear water solution, and good rust resistance. It is suitable for the rust prevention between the black metal processes, semi-finished products and finished products during the process of mechanical manufacturing and maintenance. It is suitable for iron system materials such as cast iron, carbon steel, alloy steel, etc.

PHYSICAL AND CHEMICAL PROPERTIES:

Test Item	Test Method	Quality Index
Appearance	Visual inspection	clean
Diluent appearance, 5%wt	Visual inspection	colorless and transparent
PH, 5%wt	PH meter	9.0-10.0
Rust protection (cast iron filings, 3% wt, 18 to 25 °C, 2 h)	JB/T9189-2010	Grade 0, non-rust
Corrosion (45# steel, full immersion at 55±2°C, 168h)	GB/T 6144	Qualified
Nitrite, mg/L	Precision nitrite test paper	Non

PRODUCT FEATURES:

- Strong antirust, good protection during low concentration.
- Good water solubility and can dissolve with water in any proportion.
- Low residue, easy to clean .
- Good adaptability to hard water.

APPLICATION:

1. It can be used as antirust additive in metalworking fluid.Application
2. It can be directly diluted and used as black metal antirust water.

USAGE:

1. Recommended concentration: 3%-5%.
2. Operating temperature: normal temperature can be used, heating can improve the drying efficiency.
3. Attention: the original rust should be removed before the anti rust treatment, otherwise the anti rust effect will be affected.
4. Post treatment: the antirust film is formed when the workpiece is dried or dried naturally.
5. After antirust treatment, rain or other liquid contamination should be prevented to avoid rust failure.