

Corrosion Inhibitor

Description

1. Hydrochloric acid corrosion inhibitor

Application: Hydrochloric acid corrosion inhibitor will slow down the corrosion rate of metal in the hydrochloric acid. It is applicable for hydrochloric acid in various concentration and temperature. It applies to carbon steel, copper and other metal materials.

Feature:

The hydrochloric acid corrosion inhibitor has the feature of stable performance, simple operation, small dosage, It is high efficiency, low cost, no-toxic, odourless, environmental friendly. It will cause little harm to metal structure and there will be no acid mist.

Index:

Index	Parameter	Index	Parameter
Status	Yellow gradule	Flammability	Non-inflammable,non-explosive
Acid and alkali	Nearly neutual	Corrosivity	Non-corrosive
Active matter content	>98%	Toxicity	Non-toxic

2. Nitric Acid Corrosion Inhibitor

Nitric acid corrosion inhibitor is used in less than 20% nitric acid under room temperature(below 40 degrees) to slow down the corrosion rate of metal substrate. It has good corrosion inhibition effect in various chemical pickling process. It is suitable for stainless steel, carbon steel, copper, aluminum, titanium metal material and the combination of different materials of pickling.

Feature:

The nitric acid corrosion inhibitor is yellow powder. It has the feature of stable performance, simple operation, small dosage, It is high efficiency, low cost, no-toxic, odourless, environmental friendly. It will cause little harm to metal structure and there will be no acid mist.

Index:

Index	Parameter	Index	Parameter
Status	Yellow gradule	Flammability	Non-inflammable,non-explosive
Acid and alkali	Nearly neutual	Corrosivity	Non-corrosive
Active matter content	>98%	Chloridion	Free

3. Anti-Freeze Solution Corrosion Inhibitor

Anti-freeze solution corrosion inhibitor is used in antifreeze water based in sodium chloride, calcium chloride, ferric chloride. It will slow down corrosion from these inorganic salts and prolong the service life of equipment.

Feature:

Antifreeze water corrosion inhibitor consists of all kinds of efficient corrosion inhibitors of organic compounds. Its features will remain the same for a long time. It has the feature of stable performance, simple operation, small dosage, It is high efficiency, low cost, no-toxic, odourless, environmental friendly. It will cause little harm to metal structure.

Index:

Index	Parameter	Index	Parameter
Status	Powder	Flammability	Non-inflammable,non-explosive
Acid and alkali	Near Alkaline	Corrosivity	Non-corrosive
Active matter content	>98%	Inhibitory Performance	Good

4. Chlorosane Corrosion Inhibitor

Chlorosane corrosion inhibitor is widely used in anti-friction solution such as chlorinated paraffin, carbon tetrachloride. It can be added directly in lubricating oil containing extreme pressure agent and stop the metal corroding from the agents.

Feature:

- 1) Outstanding corrosion inhibition, rust resistance, moisture resistance, anti-moisture, anti-salt mist performance.
- 2) It is compatible to the chlorine pressure agents.
- 3) The chlorinated paraffin inhibitor has good anti-friction effect and can effectively enhance the chlorine anti-wear of chlorine pressure agents.
- 4) Excellent abrasion resistance under high speed, high temperature stability, anti-sintering performance.
- 5) Good oil solubility

Index:

Index	Parameter
Appearance	Yellow liquid
Specific Gravity	<0.1
Smell	Pleasant smell

5. Anti-Scale Corrosion Inhibitor

The anti-scale corrosion inhibitor consists of organic phosphoric acid, polycarboxylic acid, carbon steel corrosion inhibitor, Copper and Aluminum corrosion inhibitor. It has good chelating disperse function with calcium carbonate, phosphate scales and has good corrosion inhibition to carbon steel, copper and aluminum. It is mainly used in circulating cooling water of machine tool. The corrosion inhibition effect is good.

Feature:

The anti-scale corrosion inhibitor has excellent anti-scale, and corrosion inhibition performance. It can maintain normal production and lengthen the service life of equipment.

Index:

Index	Parameter
Appearance	Yellow or brown red
Density(20°C) g/cm ³	1.10±0.1
PH value(1% water solution)	2.0±1.0

6. Anodic Corrosion Inhibitor

Anodic corrosion inhibitor is a kind of cationic imidazoline sewage corrosion inhibitors, mainly used in oilfield water injection system and other industrial water cycle system.

Feature:

The product has a strong water dispersion, good liquidity, high corrosion rate.

Index:

Index	Parameter
Appearance	Uniform liquid
PH value	5~9
Pour point	≤-5
Open flash point	≥50
Solubility	Water soluble
Emulsifying tendency	No
Compatibility	It will not reduce performance of other drug
Inhibition rate %	≥70