



## TECHNICAL DATASHEET

## PRODUCT NAME – RUST-X RP ADDITIVE

### PRODUCT CODE – VCI RPA 4800

### 1 PRODUCT DESCRIPTION

Rust Preventive Additive VCI RPA 4800 is a water soluble rust preventive agent which can be added to water between 0.5%-5% concentration depending upon the usage for prevention of corrosion on metallic parts and period of life.

This can be used as a leak testing additive, can be added to re-circulate cooling water, boilers, heat exchangers, cutting oil tanks and any other water systems to avoid corrosion caused by water. This can also be added to pipelines during layup and makes the water work as a rust preventive.

The product can be easily tested by adding 5% in water and keeping a metal part submerged in this water and comparing to another beaker with a similar metal part submerged but without RPA 4800.

Within 2-3 hours the results can be seen and the metal part in water having 2-5% RPA 4800 concentration will never rust even for months compared to the one submerged in normal water.

The product is suitable for tap water, distilled water, RO water.

### FEATURES

- Easy to use by brush or dipping.
- Provides long term protection in the open environment
- Environmentally friendly
- Provides long term corrosion inhibition
- Non toxic to aquatic organisms
- Multimetal Corrosion Inhibitor

### APPLICATIONS

The solution provides multimetal corrosion protection to re-circulated cooling water, boilers, heat exchangers, cutting oil tanks and any other water systems to avoid corrosion caused by water. This can also be added to pipelines during layup and makes the water work as a rust preventive.

- Stops extreme corrosion in systems containing fresh water, glycol coolants, etc.
- Low concentration of even 1% provides effective protection in contact.
- Vapor phase action provides protection to areas that contact inhibitors cannot reach



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- Readily water-soluble liquid for easy application
- Transparent Solution
- Multimetal protection
- Effective in low dosages
- Does not contain free amines

#### USAGE

Dissolve the RPA 4800 in water to convert the water into a rust preventive agent

#### APPLICATION PICTURES

#### TECHNICAL SPECIFICATION

Physical Properties	Values
Color	Transparent
Flash Point	300°C
Odor	None
Solubility	100%
Emulsion Color	Transparent
Viscosity	15-20 cSt
Pour Point	4°C
pH	12-14
Reactivity with Rubber	None
Reactivity with PVC	None
Reactivity with Glycol	None
Effect on Carbon	None
Cleaning before painting required	None
Ferrous Corrosion Inhibitor	<b>Yes</b>
Aluminum Corrosion Inhibitor	Yes
Brass Corrosion Inhibitor	Yes





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#### PACKAGING AND STORAGE

Store in a cool dry place and always keep RPO sealed when not in use.

#### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

#### HEAVY METALS DECLARATION

RUST-X Rust Preventive products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

#### SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU

REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.

- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

#### DECLARATION

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

#### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the



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customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

India Indonesia Ireland Italy Japan Kazakhstan Korea Latvia Lithuania Luxembourg Malaysia Mexico Monaco Morocco Nepal Netherlands Nigeria Norway Peru Philippines Poland Portugal Republic of Congo Romania Russia Singapore Slovak Republic Slovenia South Africa Spain Sri Lanka Sweden Switzerland Taiwan Thailand Tunisia Turkey Ukraine United Arab Emirates and MENA (Middle East & North Africa) United Kingdom United States Uruguay Vietnam

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

### GLOBAL SUPPORT

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DISTRIBUTED BY -

USA - 14310 Gannet St , La Mirada, California  
info@rustxusa.com www.rustxusa.com  
Italy | France | India | China | Mexico

