



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RP ADDITIVE

PRODUCT CODE – VCI RPA 4800 BIO

PRODUCT DESCRIPTION

Rust Preventive Additive VCI RPA 4800 BIO is a water soluble rust preventive agent which can be added to water between 0.1%-0.2% concentration depending upon the usage for prevention of corrosion on metallic parts and period of life. The product is non-toxic at use levels, made from food approved ingredients and safe for disposal into sea or drainage without any harm to the aquatic life after use of the inhibited water.

This can be used as a leak testing additive, can be added to re-circulating 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. This Rust Preventive Additive especially finds excellent use in fire fighting equipment and storage tanks to prevent corrosion formation inside the tanks and pipelines and prevents seizing of the valves, pumps etc. while the equipment remains charged with water.

The product is suitable for tap water, distilled

water, RO water.

FEATURES

- Easy to use as it easily solubilizes in water
- Provides long term protection
- Environmentally friendly
- Provides long term corrosion inhibition
- Non toxic to aquatic organisms
- Multimetal Corrosion Inhibitor

APPLICATIONS

The solution provides multi-metal 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 0.1% provides effective protection in contact.
- Readily water-soluble liquid for easy application
- Transparent Solution



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- Multimetal protection
- Effective in low dosages
- Does not contain free amines

TECHNICAL SPECIFICATION

Physical Properties	Values
Color	Transparent liquid with powder
Flash Point	300°C
Odor	None
Solubility	100%
Emulsion Color	Transparent
Viscosity	<10 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	Yes
Aluminum Corrosion Inhibitor	Yes
Brass Corrosion Inhibitor	Yes

Stir the contents in the bucket containing the solution of RPA 4800 as it may settle over time. Dissolve the RPA 4800 in water to convert the water into a rust preventive agent.

For Closed Loop Systems: 0.1-0.2%

For Retro-jetting: 0.1-0.2% (0.5% if water is going to stagnate inside the pipes or equipment)

For Hydrotest/Leak Testing: 0.5-1%

For Wet Layup: 0.1-0.2%

For use as a temporary corrosion preventive: 5-10%

BIO DEGRADABILITY & TOXICOLOGY

The product is formed using food grade additives which all work as corrosion inhibitors and oxygen scavengers and are considered safe for human consumption at very low dosage levels. The low LC 50 values of the product or its ingredients make them safe for application where the water has to be discharged into the sea water. The product is 98% bio degradable in 15 days and does not need special care for sea water disposal after use. Since the pH is mild it does not cause aggravated algae growth.

USAGE

LC 50	1000 mg/L in 96 hours Pimephales promelas (fathead minnow)
LD 50	4000mg/kg Rat
Bio Degradability	98% Bio Degradable in 15 days



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APPLICATION PICTURES



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.

APPLICATION PICTURES



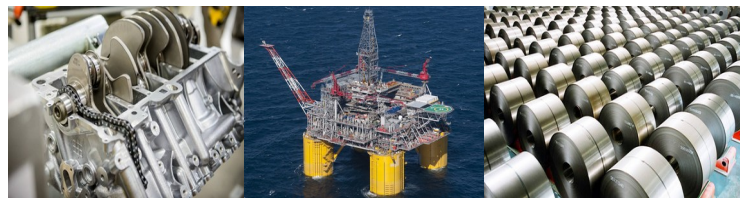
PACKAGING AND STORAGE

Store in a cool dry place and always keep away from direct sunlight. Available in 20 ltr, 25 ltr and 210 ltr packaging. Shelf life is up to 24 months

DISPOSAL

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





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PACKAGING AND STORAGE

20 L, 25 L, 210 L

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 re-

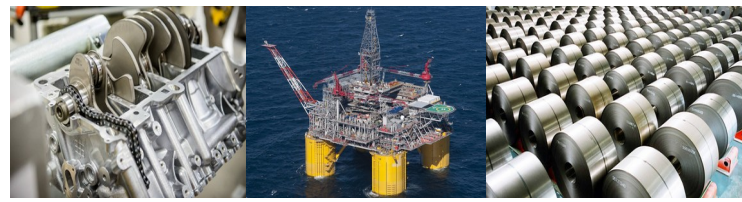
stricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

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.



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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 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.

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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Revision No. 6 Revision Date: Jan 2025