



TECHNICAL DATASHEET

PRODUCT NAME – VCI WATER BASED (Short Term Storage)

PRODUCT CODE – VCI 1336

PRODUCT DESCRIPTION

Preservation of Equipment and Exports of Metal Components is a critical task. Water based rust preventives are the latest generation of Rust Preventive Water based solutions, which are also **eco-friendly**. This is due a solvent free product, which upon evaporation does not harm the environment & does not release VOC's, CFC's, nitrites or gases that may harm the environment.

VCI 1336 can be directly applied on metal parts that are free from water, cutting oils or rust. It is ready to use water based RPO. VCI 1336 can be applied by spray, dip or brush on a clean metal surface. The product forms a corrosion preventive layer on the part after it dries off to a non sticky invisible film which is soft, easily washable in paint lines, can be removed using spray jet, solvent or generic washing agents. The product remains corrosion free and is idea for short term preservation of parts in house storage, or short distance supplies of auto parts for a period of upto 2 months.

It can also be used for spraying and forming a coating on the inside of the vessels where the concentration needs to be adjusted depending

upon the storage life.

The VCI action of the water based solution makes it suitable for spraying within hollow equipment such as water based solution, heat exchangers, reactors, storage tanks, pipes etc. The VCI fraction evaporates and reaches hard to reach surfaces where the direct water based solution spray cannot reach and protects the equipment from corrosion.

All RUST-X rust preventive water based solution s are Barium & Heavy Metal Free.

FEATURES

- Easy to use by spray, brush or dipping.
- Ensure the surface is clean from water, rust or cutting fluids.
- Provides short term protection in the closed or open environment
- Ideal for tubes, in process storage of machined parts, castings, forgings or sheet metal.
- Film stability upto 220 C.
- Protects parts for up to 2 years
- Free of solvent odours
- Free of VOC's, CFC's and nitrites



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TEST DATA

Physical Properties	Value
Colour	Amber to brown liquid
Viscosity	>3.5 Cst
Colour after application	Transparent
Flash Point	250 ° C
Corrosion Protection	Up to 24 months in packaging without water content up to 12 months indoors up to 15 days outdoors w/o direct rain depending upon layer thickness
Non volatile content	>40%

USAGE

Spraying, Dipping or Brushing may be chosen for forming an even layer on the part.

Typical Recommendation:

- 10% for leak testing or interim protection
- Directly to be used for steel bars, rebars, auto parts etc

In case this has to be used for exporting small components, the product should be dried off from water remnants by heating the part to 60-70C

APPLICATION PICTURES



APPLICATIONS

Thin film coating for dry storage of

- Machined Steel Components, Castings, Forgings
- CR sheets, Pipes, tubes
- Bearings, Gears
- Transmission Components
- Axles, Process Equipment
- Flanges
- Valves etc.





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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 Water based solutions 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



RUST-X USA



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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.

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