



## TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RUST PREVENTIVE OIL

PRODUCT CODE – TECTONIC 506

### PRODUCT DESCRIPTION

RUST-X TECTONIC is a brownish liquid which can be applied with a brush on the parts to be protected or can be applied by dipping the parts. The liquid forms a waxy brown protective layer on the part, which can be degreased with solvents.

TECTONIC molecules are highly hydrophobic and retard the moisture or water permeation through the layer formed. TECTONIC is highly active against acidic fumes and provides excellent corrosion protection in the acidic environments such as pickling areas or sea humidity.

This can be used to protect structures, chemical plants and equipment that are intended for outdoor storage or are located in open areas and need protection. It can also be coated on automotive components which require high level of protection such as under bodies, gears, axles, transmissions etc. These can also be used to protect unpacked refinery equipment oil pipeline equipment and valves, off shore refinery parts which are not painted or coated and require protection or during the storage while commissioning, for lay-up during shut downs and also on heat exchangers, wind mills and automotive.

This can also be used to protect Defense Equipment and installations where extreme climatic conditions may have detrimental effect on the properties of the equipment e.g. on cannons, guns, artillery, launch vehicles etc.

### FEATURES

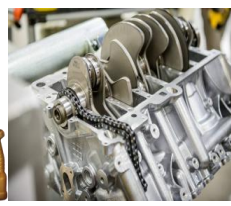
- Easy to use by brush or dipping.
- Provides long term protection in the open environment
- Highly hydrophobic
- Resistant to melting at up to 80C & so can be used even in process equipment where high temperatures are involved
- Protects parts for up to 2 years in open environment and up to 5 years indoor

### APPLICATIONS

All kinds of metals, automotive and aerospace equipment, chemical plant and equipment as well as marine and offshore applications.

### PACKAGING AND STORAGE

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



## TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RUST PREVENTIVE OIL

PRODUCT CODE – TECTONIC 506

### TECHNICAL SPECIFICATION

Physical Properties	Test Method	Value
Colour	Visual	Brown Liquid
Freezing Point		-20°C
Specific Gravity	ASTMD 1298	0.98-1.03
Film Thickness		30-50 microns
Drying Time		1-2 minutes
Flash point during application		90°C
Flash Point after application		220°C
Volatiles by % (by weight)		50-60%
Degradability with solvents	ASTM B 117	Passes
Salt Fog Resistance	ASTM B 117	60 days
Humidity Chamber Test	DIN 50017 KFW	2000 hrs +

in the same manner as the product.

### PRODUCT PICTURES



### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

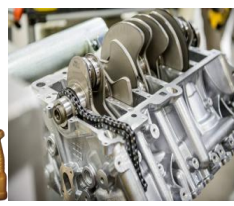
Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed

### USAGE

Dipping by far is the best method for establishing an even layer on the component.

Other methods may be used such as mist spraying, electrostatic spraying, brushing, automatic conveyor spray or dip process spray. It is important



## TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RUST PREVENTIVE OIL

PRODUCT CODE – TECTONIC 506

that the complete surface of the component is coated with the rust preventive oil.

- Clean the area to be protected using a cloth or RUST-X 40 spray
- Apply TECTONIC with a brush or by dipping in the area to be protected
- Ensure that all the area gets covered evenly with TECTONIC
- The product can be easily degreased from the parts using MTO or other non-polar solvents.

Use of gloves while handling the components as well as immediate packaging is important. In case the oily film is present, clean the part with Aquaflush first.

### 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.

### 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



## TECHNICAL DATASHEET

PRODUCT NAME – RUST-X RUST PREVENTIVE OIL

PRODUCT CODE – TECTONIC 506

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

Algeria Angola Argentina Australia Austria Bangladesh Belarus Belgium Bhutan Bolivia Brazil Canada Chile China Colombia Czech Republic Democratic Republic of the Congo Denmark Ecuador Estonia Finland France Gabon Germany Hungary 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



DISTRIBUTED BY -

FOR INDUSTRIAL USE ONLY

Revision No. 2 Revision Date: March 2019