



## TECHNICAL DATASHEET

## PRODUCT NAME – RUST-X FUEL OIL ADDITIVE

### PRODUCT CODE – VCI 905

### PRODUCT DESCRIPTION

VCI 905 can be added to fuel to enhance the corrosion prevention properties of gasoline, petrol, crude oil or most organic solvents or mineral oils.

VCI 905 is readily soluble in most hydrocarbons and protects by the formation of a protective film at the metal oil interface. The product also increases the pH of the fluid and makes it work as a corrosion inhibitor.

The additive works as a contact and vapour phase corrosion inhibitor and protects the empty air space of the tanks, pipelines as well as the filled volume of the tanks.

The additive also contains a biocide that will protect fungal and bactericidal growth due to the presence of water and hydrocarbons.

The product has a high flash point and can be used for protection of Cold Rolled Steel, Engine Components, as well as large equipment where indoor open storages are required.

The VCI action of the oil makes it suitable for spraying within hollow equipment such as

boilers, heat exchangers, reactors, storage tanks, pipes etc. The VCI fraction evaporates and reaches hard to reach surfaces where the direct oil spray cannot reach and protects the equipment from corrosion.

All RUST-X rust preventive oils are Barium & Heavy Metal Free.

### FEATURES

- Easy to use
- Environmentally friendly
- Provides long term corrosion inhibition
- Prevents rust and corrosion formation owing to the corrosion inhibitor additives
- Highly Resistant to Oxidation
- Protection of the entire feed system from corrosion
- Increased facility reliability
- Increased reliability of feed systems



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### TECHNICAL SPECIFICATION

Physical Properties	Physical Properties
Color	Clear Amber Liquid
Flash Point	110°C
Odor	Ammonical
Solubility	100% in Oil
Specific Gravity	0.95
Viscosity	<10cSt
Reactivity with Rubber	None
Reactivity with PVC	None
Reactivity with Glycol	None
Effect on Carbon	None
Cleaning before painting required	None
pH	10-12

protection. The vaporizing fraction of the additive has a high vapour pressure and would evaporate forming a preventive coating inside the tank and the remaining non-vaporising fluid will stay in the liquid phase and protect by formation of a protective layer.

### APPLICATION PICTURES



### APPLICATIONS

Add VCI 905 @ 0.1% in Fuel oil for 1 year protection and @ 0.2% in fuel oil for 2-3 years protection. The vaporizing fraction of the additive has a high vapour pressure and would evaporate forming a preventive coating inside the tank and the remaining non-vaporising fluid will stay in the liquid phase and protect by formation of a protective layer.

### USAGE

Add VCI 905 @ 0.1% in Fuel oil for 1 year protection and @ 0.2% in fuel oil for 2-3 years





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### 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

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



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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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