

RUST-X USA

Technical Datasheet

Product: RUSTX TECTONIC
Grade: 506

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Product Description

Exports of automotive components is a very critical task which requires specialized Rust Preventive Packaging schemes in synergism with highly effective rust preventive oils.

RUST-X TECTONIC is a brownish black 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 black 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 equipments 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 automotives.

Due to a higher drop point it can be used on the chemical plant and equipment, which is in operation at elevated temperatures.

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.

Product & Application Images



Suitable For

Medium viscosity oil suitable for heavy duty applications such as Threading, Broaching, Tapping etc. on ferrous metals.

Features

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

Application Method

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 pray. It is important 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.

Properties

Physical Properties	Test Method	Value
Colour	Visual	Brown Black
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		90C
Flash Point after application		220C
Volatiles by % (by weight)		50-60%
Corrosion Prevention Properties		
Degradability with solvents	ASTM B 117	Passes
Salt Fog Resistance	ASTM B 117	60 days
Humidity Chamber Test	DIN 50017 KFW	2000 hrs +

Packaging

26 Liters Can & 210 Liters Barrel	
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Disposal

Wastes should be disposed off in accordance with local regulations. Recommendation: Do not allow product to reach sewage system. Disposal must be made according to official regulations. Packaging that may not be cleansed must be disposed off in the same manner as the product.	
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Safety Information

RUST-X Rust Preventive Oils 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.	
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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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