

RUST-X USA

Technical Datasheet

Product: RUST Preventive Oil
Grade: VCI 32 HD

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Product Description

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

The Heavy Duty grade as the name implies provides long term corrosion protection against the most damaging environmental conditions. The protection of this oil surpasses the capability of any generic rust preventive and provides excellent protection even in open environments, sea worthy protection during exports as well as during long term storages of the components.

This Heavy Duty oil forms a light coat of rust preventive layer on the component which is not easily removable with light abrasive forces during handling, transportation and storages in protected or un-protected conditions.

This grade provides multi-purpose degreasing, dewatering and corrosion protection to the component on application. The grade is removable by washing with solvents or water based cleaners.

The product conforms to the Engine Oil Compatibility requirements and does not require removal before fitment for engine components.

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

Product & Application Images



Suitable For

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

Features

- VCI Properties
- Fine film with strong adherence to the surface formed after evaporation of the solvent
- High Flashpoint solvent for safety & lower evaporation loss.
- Dries to form a non-stick & dry feel film after 60-90 minutes of application.
- Excellent protection against acidic and saline environments
- Excellent Dewatering & Degreasing Properties
- Protective Film that does not get scratched easily and protects during handling and outdoor storage.

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 spray. It is important that the complete surface of the component is coated with the rust preventive oil. Use of gloves while handling the components as well as immediate packaging is important. In case the components carry cutting oils or water from previous processes, dewatering with CL005 is recommended.

Properties

Physical Properties	Test Method	Value
Colour	Visual	Amber Clear
Viscosity @ cSt @ 40°C	ASTM D 445	<10 cSt
Specific Gravity	ASTM D 1298	0.78 - 0.86
Flash Point (before application)	ASTM D 92	<100 °C
Flash Point (after application)	ASTM D 92	<220°C
Volatiles by % (by weight)		75 %
Coverage (sq m/ Lt)		100
Film thickness	IS 2074	1 microns
Pour Point	ASTM D 97	Below -5°C
Saponification Value (mg KOH/gm)	ASTM D 94	5.0-7.0
Corrosion Prevention Properties		
Salt Spray Protection	ASTM B 117	<120 hours
Salt Spray in VCI Packaging	ASTM B 117	720 hours +
Condensation Test	DIN 50017 KFW	> 60 cycles
Humidity Chamber	ASTM D 1748	720 hours +
Indoor Protection Life (open)		2-3 months
Indoor protection life (packed)		2 years
Packaged Protection Life (In VCI Packaging)		Upto 5 Years

Packaging

26 Liters Can & 210 Liters Barrel

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.

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-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.

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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