

**RUST-X USA**

# Technical Datasheet

Product: RUST Preventive Oil  
Grade: 135 Dry Ex

TDS No. 400005

Publication Date: 1<sup>st</sup> April 2016

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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.

RUSTX-EX Export Grade oils have chemicals that give higher, faster and longer duration of protection to the metallic components from saline atmospheres during sea transportation as well as long term storage.

RUSTX oils contain VCI chemicals, which work in contact phase as well as in the vapor phase and protect components by its dual action.

RUSTX – 135 Dry EX is a light grade of rust preventive oil, which provides a dry rust preventive coating on the parts.

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.

### Product & Application Images



### Suitable For

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

## Features

- Feel dry to touch
- Good coverage due to low viscosity- high floatability & high penetration properties
- Less consumption due to thin film
- Long Term Corrosion Prevention
- Allow 2-10 minutes drain and drying time depending upon product requirement
- Excellent protection against acidic & saline environments
- Does not produce fumes during welding or heat treatment
- Non Sticky washable film
- Paintable in paint line

## 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	2-4 cSt
Specific Gravity	ASTM D 1298	0.78 - 0.83
Flash Point (before application)	ASTM D 92	100 °C
Flash Point (after application)	ASTM D 92	220 °C
Volatiles by % (by weight)		90 %
Coverage (sq m/ Lt)		100
Film thickness	IS 2074	0.75 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	<48 hours
Salth 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)		6 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-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.

### 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

Revision No. 8    Revision Date: 1<sup>st</sup> April 2016