

# RUST-X USA

## Technical Datasheet

Product: RUST Preventive Oil  
Grade: Cleaning Medias  
CL000AL, CI002 & CI005

TDS No. 400049  
Publication Date: 1<sup>st</sup> April 2016

[www.rustx.net](http://www.rustx.net)  
[info@rustx.net](mailto:info@rustx.net)

### Product Description

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

Solvent based washing systems have various advantages owing to the fact that they don't have any water present which may later on corrode the components. Steel components get corroded due to water present in aqueous cleaning systems. Aluminum components develop white rust caused due to presence of water, high-pH deposits, salts, finger marks as well as atmospheric gases.

RUSTX Manufactures specialized cleaning media with rust preventive properties, de-greasing, de-watering & cleaning properties for aluminum components. The following are the features and advantages of the product:

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.

### Product & Application Images



### Suitable For

The solution provides short term corrosion protection for up to 1 month on shop floor for CL 002 & CL005. CL 000 provides no intermediate corrosion prevention.

## Features

**Dewatering:** CI000, CI002 & CL005 are excellent de-watering agents and remove water from the surface or cavities of the component

**Degreasing:** These are also effective in removing dirt, dust, greases, metal particles, cutting oils etc.

**Leak Testing:** CL 000, CI002 & CL 005 are transparent solutions and can be used for leak testing in place of water as water left from leak testing may cause corrosion if not dried completely.

**High Flash Point:** The product has a high flash point of 100°C and does not catch fire easily compared to the generic products based on Carbon Tetrachloride, Benzene etc.

## Application Method

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

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.

There is no detrimental effect on the adulteration of the Cleaning Media with the Rust Preventive and hence there is no need to dry it completely. Just rinsing and draining the excess cleaning media is sufficient.

## Properties

Physical Properties	Test Method	Value
Colour	Visual	Amber Clear
Viscosity @ cSt @ 40°C	ASTM D 445	<1-2 cSt
Specific Gravity	ASTM D 1298	0.8 - 0.9
Flash Point (Before application)	ASTM D 92	100 °C
Flash Point (after application)	ASTM D 92	>100 °C
Volatiles by % (by weight)		95-100%
Coverage (sq m/ Lt)		<200
Pour Point	ASTM D 97	Below -5°C
Sapomnification		5.0-7.0
Water Displacement Test		Passes
Degreasability		Passes

### Corrosion Prevention Properties

Protection during storage	CL000 = none CL002 = 1 hour CL005 = 48 hours
Protection (Packed with VCI)	CL000 = none CL002 = 2 year CL005 = 5 year

### 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

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