



## TECHNICAL DATASHEET

Product: 135 Series VCI CLEANING & RUST PREVENTIVE OIL

Grade : CL000 AL, CL002 AL, CL005 AL (Aluminum Specialty)

### Product Description

Solvent based washing systems have various advantages owing to the fact that they donot have any water present which may later on corrode the components. Aluminum components get corroded due to water present in aqueous cleaning systems and develop white rust caused due to presence of water, high-pH deposits, salts and finger marks during handling. Other reasons may be exposure to humid environments, exports or improper packaging and storages.

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:

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

**Dewatering** : CL000 AL, CL002 AL & CL005 AL are excellent de-watering agents and remove water from the surface or cavities of the component within 5 seconds of dipping of the component.

**Degreasing**: These are also effective in removing dirt, dust, greases, metal particles, cutting oils etc. The cleaning action is further enhanced in the Ultrasonic Machines, where the component as well as particles are vibrated with the help of ultrasonic waves

**Leak Testing**: CL 000, CL002 & 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 higher flash point of 70C and does not catch fire easily compared to the generic products based on Carbon Tetrachloride, Benzene etc.

This material is non-hazardous and safe to use & is free from Carbon Tetrachloride or banned substances as per the REACH legislation. It can also be used for multi-metal protection where brass, zinc plated, tin, steel or copper fitments may be present on the component.

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.



## Physical, Chemical & Corrosion Prevention Properties

Physical Properties	Test Method	CL000 AL	CL002 AL	CL005 AL
Colour	Visual	Clear	Clear	Clear
Viscosity@cSt@40°C	ASTMD 445	1cSt	1cSt	1-2cSt
Specific Gravity	ASTM D 1298	0.78-0.86	0.78-0.86	0.78-0.86
Flash Point (before application)	ASTM D 92	70 °C	70 °C	70 °C
Flash Point (after application)	ASTM D 92	220 °C	220 °C	220 °C
Volatiles by % (by weight)		100%	98%	95%
Coverage (sq m/ Lt)		200 sqm	220 sqm	150-175 sqm
Pour Point	ASTM D 97	Below -5°C	Below -5°C	Below -5°C
Saponification Value (mg KOH/gm)	ASTM D 94	5.0-7.0	5.0-7.0	5.0-7.0
Water Displacement Test		Passes	Passes	Passes
Degreasability		Passes	Passes	Passes

Corrosion Prevention Properties				
Protection (Indoor Open)		24 hours	1 week	1 month
Protection (Packed with VCI)			2 years	5 years

## Packaging Available

26 Liters Can & 210 Liters Barrel

## Safety Information

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 restricted substances listed in Article 4(1) of the RoHS Directive.

Rust Preventive Oils are also REACH Compliant for exports to the European Union.

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