PRODUCT NAME – RUST-X Cleaning Medias Agents

PRODUCT CODE – CL000, CL002 & CL005

PRODUCT DESCRIPTION
Rust-x Cleaning agents are order less and 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.

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

FEATURES
- **Dewatering:** CL000, CL002 & 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:** CL000, CL002 & CL005 ODL are transparent & ordure less 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.

USAGE
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.

**TECHNICAL SPECIFICATION**

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>ASTM</td>
<td>4.0</td>
</tr>
<tr>
<td>Viscosity @ cSt @ 40°C</td>
<td>ASTM D 445</td>
<td>&lt;1-2 cSt</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>ASTM D 1298</td>
<td>0.8 - 0.870</td>
</tr>
<tr>
<td>Flash Point (Before application)</td>
<td>ASTM D 92</td>
<td>100 °C</td>
</tr>
<tr>
<td>Viscosity @ cSt @ 40°C</td>
<td></td>
<td>5.1-5.5</td>
</tr>
<tr>
<td>Flash Point (after application)</td>
<td>ASTM D 92</td>
<td>&gt;100 °C</td>
</tr>
<tr>
<td>Volatiles by % (by weight)</td>
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<td>95-100%</td>
</tr>
<tr>
<td>Coverage (sq m/ Lt)</td>
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<td>&lt;200</td>
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<tr>
<td>Pour Point</td>
<td>ASTM D 97</td>
<td>Below -5°C</td>
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<tr>
<td>Sapomnification</td>
<td>ASTM D</td>
<td>5.0-7.0</td>
</tr>
<tr>
<td>CL 000 Film Thickness</td>
<td>0 Microns, 100 % Dry</td>
<td></td>
</tr>
<tr>
<td>CL 002 Film Thickness</td>
<td>0.3 Microns, 98 % Dry</td>
<td></td>
</tr>
<tr>
<td>CL 005 Film Thickness</td>
<td>0.5 Microns, 96 % Dry</td>
<td></td>
</tr>
<tr>
<td>Water Displacement Test</td>
<td>Passes</td>
<td></td>
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</tbody>
</table>

**PACKAGING AND STORAGE**
Store in a cool dry place and always keep Cleaning Media agents sealed when not in use.

**APPLICATIONS**
The solution provides short term corrosion protection for up to 1 month on shop floor for CL 002 & CL 005. CL 000 provides no intermediate corrosion prevention.

**APPLICATION PICTURES**

**DISPOSAL**
Recommendation: Do not allow product to reach sewage
Disposal of product or waste must comply with official local regulations.
Packaging that cannot be recycled must be disposed in the same manner as the product.

HEAVY METALS DECLARATION
RUST-X Rust Preventive products 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-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

SAFETY INFORMATION
- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS; US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

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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