



**RUST-X USA**

# Technical Datasheet

Product: RUST X Desiccant + Emitter  
Grade: VCI 4500

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### Product Description

Rust-X manufactures specialty VCI EMITTERS + DESICCANT Pouch to prevent corrosion to the metallic components in the vicinity of these pouches. The specially designed pouch controls corrosion by the unique SMP Technology (Speedy Moisture Passivation) VCI Chemicals that release VCI to passivity the moisture in the surroundings and start an instantaneous action. The desiccants present in the pouch absorb moisture and trap it in the sieves of the desiccant gel.

The dual action pouch is made to avoid confusions that are commonly caused related to dosage levels of desiccant and emitters to the end customers in the packaging. Emitters + Desiccants are in the form of powders which provide a higher surface area to the chemicals for vaporization or absorption compared to tablets etc. The special combination of desiccating materials as well as VCI emitters which come into action within seconds of placing in the containers provide an unmatched system of preservation of Metallic and Non Metallic Components.

The pouch is packed in special Tyvek paper to enhance the strength of packing and stop any reversible release of moisture to the surroundings.

The vapours do not increase in contact resistance in electrical circuits and have no adverse effect on insulating materials or high voltage corona or carbon tracking. VCI 4500 is free from nitrites, DMF, heavy metals and non hazardous for commercial use.

### Product & Application Images



### Application Method

Place in vicinity of components or packaging to be protected. Use of gloves while handling the components as well as immediate packaging is important.

### Features

- Economical to use.
- Provides continuous protection for up to 24 months.
- Effective in polluted and humid environments.
- Doesn't interfere with electrical, optical or mechanical surface properties.
- Multimodal protection
- Quick and easy installation.
- Protects during operation and shutdown.
- Non-toxic and safe to handle.
- Contains desiccant properties.
- Compact, space-saving, unobtrusive device.
- Free of nitrites, silicones and phosphates.
- No spraying, wiping or dipping required.
- Low VOC values

### Suitable For

VCI 4500 Desiccant can be effectively used for:

- Operations, packaging and storage electrical equipment
- Automotive Components
- Marine navigation and communication electronic equipment
- Aerospace electrical controls
- Electric motors
- Switching equipment
- Fuse boxes and power boxes
- Medical equipment
- Electrical wire ways and terminal boxes
- Scientific and measuring instruments
- Telecommunications equipment
- Remote electronics devices
- Hand-held, battery-operated devices
- Tool-boxes, parts-storage and other containers holding metals

### Other Information

VCI desiccant 4500 is extremely simple and convenient to install. The device should be installed at the earliest possible time. Simply select a space within any enclosure where corrosion protection would be useful. Verify the surface to which the device will be affixed is clean and free of debris & place the pouch in the vicinity of the components to be protected.

Do not touch the pouches to any component as they may cause staining on the components if they become wet after absorbing humidity.

### 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

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