



TECHNICAL DATASHEET

PRODUCT NAME – RUST-X DESICCANT

PRODUCT CODE – ZORBIT Clay

PRODUCT DESCRIPTION

ZORBIT contains natural activated clay based desiccants which work by evaporation and neutralization of moisture. Desiccant is a drying agent used to lower the moisture content of air inside a closed space, such as Moisture Barrier Bag.

Desiccant is packaged in fractional units in order to facilitate its usage with a variety of bag sizes. In order to provide a complete moisture barrier packaging assembly, desiccant must be inserted into the bag, prior to having the bag vacuum sealed.

The recommended amount of desiccant is dependent on the interior volume of the packaging, the weather conditions while packaging and the required packaging life of the material as well as the transportation mode. It is also dependent on period required to protect as well as ventilation in the area.

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

Do not keep in direct contact as in some cases the pouch may sweat.

Compliance to DIN 55473 and MIL 3464 E

APPLICATIONS

Zorbit 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
- Hand-held, battery-operated devices
- Tool-boxes, parts-storage and other containers holding metals

FEATURES

- Economical to use.
- Effective in polluted and humid environments.
- Doesn't interfere with electrical, optical or mechanical surface properties.
- Multimetal protection
- Quick and easy installation.
- Protects during operation and shutdown.
- Non-toxic and safe to handle.



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- Contains desiccant properties.
- Free of nitrites, silicones and phosphates and DMF

TECHNICAL DATA

Physical Properties	Test Method	Value
Form		Pouch
Color		White with print
Thickness	Gsm	55 gsm
Adsorption Capacity at 25°C and 40% Humidity	MIL D-3464-E	7.35
Tensile Strength of pouch N/25.4mm		
MD (Wrap)		90
CD (Weft)		85
Tear strength N/25.4mm CD (Weft)		1.00
pH Value	IS 2720:1987	7.04
Electrical Conductivity ms/cm	IS 2720:1977	12.8
Lightproof		96%
Melting Point at 760 mm Hg		110-140 °C
Mass content of water soluble subs	IS 2720:1977	27.3

USAGE

Place in vicinity of components or packaging to be protected. Use of gloves while handling the components as well as immediate packaging is important. Close all the vents in the container or in the enclosed area to minimize influx of fresh moist air.

APPLICATION PICTURES



PACKAGING AND STORAGE

Store in a cool dry place and always keep RPO sealed when not in use.

OTHER INFORMATION

Zorbit 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



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affixed is clean and free of debris & place the pouch in the viscosity 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

Recommendation: Do not allow product to reach sewage system.

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 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.

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 chemistry is safe for sensitive electronics.
- Rust-X 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.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when



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PRODUCT CODE – ZORBIT Clay

shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

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