



## ▶ Zerust® ActivPak®(LS) VCI Packets

Use Zerust®/Excor® ActivPak® VCI diffusers for fast acting corrosion protection in aggressive conditions such as factories, marine environments, waste treatment facilities and power plants. The packets reduce flash rust and corrosion incidents, even on contaminated parts and in challenging conditions.

Zerust®/Excor® ActivPak®(LS) packets offers a new technology of Vapor Corrosion Inhibitor (VCI) combined with Volatile Flash Corrosion Inhibitor (FCI™) to protect ferrous and aluminum metals in enclosed spaces. This combination goes to work in minutes to protect against both flash rust and long-term corrosion with its progressive VCI chemistry. Do not place in direct contact or apply more than recommended when used with copper, brass or zinc. Test before use.

ActivPak® provides corrosion control when there are concerns about manufacturing processes and fluids leaving corrosive residues. The packets reduce flash rust and corrosion incidents, even on contaminated parts and in challenging environments. ActivPak® inhibitors form an invisible shield that provides powerful and safe\* corrosion protection that does not leave a residue and does not need to be removed prior to welding or painting.

**Consult with a Zerust® technical representative for more information on how to use ActivPak®(LS) for your specific application.**

### Application Example

Zerust® ActivPak®(LS) packets are individually packaged to preserve the Flash Corrosion Inhibitor (FCI™) effectiveness of the product. Drop into packaging or an enclosure for fast-acting corrosion protection that lasts up to one year.



### ▶ Benefits

- Fast-acting
- Safe\* and easy to use
- Protects against flash corrosion
- Does not cause hydrogen embrittlement
- Protects against acid gases, salt air and other challenging contaminants

### Application Type

- Storage
- Shipping
- During Operation
- May be used with Zerust Packaging

\*Safe to use and handle. Product is not hazardous for people or the environment according to EU (CLP) or OSHA HazCom 2012 (US GHS).



## Specifications

<b>Product Information</b>	Zerust®/Excor® ActivPak® packets are volatile corrosion inhibitor (VCI) diffuser powder sachets.
<b>Storage</b>	Store in a cool, dry place and away from sunlight in original packaging for up to 2 years from the date of shipment.
<b>Protected Metal Types</b>	Ferrous and aluminum protection. Limited yellow metal protection when used as instructed. Do not place in direct contact with copper, brass or zinc and test before use. Consult with a Zerust technical representative to plan for your trial shipment.

## Protection Capabilities\*

Zerust® Product Name	Normal Environment**		Aggressive Environment**	
	Volume of Protection (Up To)	Duration of Protection (Up To)	Volume of Protection (Up To)	Duration of Protection (Up To)
<b>ActivPak®(LS)-T330</b>	5 ft <sup>3</sup> (0.15 m <sup>3</sup> )	1 year †	2 ft <sup>3</sup> (0.05 m <sup>3</sup> )	2 months
<b>ActivPak®(LS)-33</b>	16 ft <sup>3</sup> (0.45 m <sup>3</sup> )	1 year †	5 ft <sup>3</sup> (0.15 m <sup>3</sup> )	2 months
<b>ActivPak®(LS)-T350</b>	26 ft <sup>3</sup> (0.75 m <sup>3</sup> )	1 year †	7 ft <sup>3</sup> (0.2 m <sup>3</sup> )	2 months
<b>ActivPak®(LS)-35</b>	35 ft <sup>3</sup> (1 m <sup>3</sup> )	1 year †	11 ft <sup>3</sup> (0.3 m <sup>3</sup> )	2 months

\* Protection ratings are based on the highest average tested protection properties and are not guaranteed. Results may vary according to usage environment and metal surface properties such as contaminants.

\*\* Normal environment (below 0.2 ppm SO<sub>2</sub>) defined as warehouses, light industrial areas, and shipping and storage in sealed packaging or enclosures. Aggressive environment (at or above 0.2 ppm SO<sub>2</sub>) defined as areas located in the vicinity of salts and acid gases such as oceans, petrochemical sites, wastewater treatment and pulp-paper plants or in enclosures that are not well sealed.

† Additional ActivPak®(LS) in a hermetically sealed enclosure may protect up to two years.

### 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 Northern Technologies International Corporation/Zerust® 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 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 Northern Technologies International Corporation/Zerust® 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 products sold.

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## Availability

Zerust®/Excor® ActivPak®(LS) are in stock for immediate delivery, sold in cases. Custom sizes and quantities available upon request. Minimum order quantities apply.

ActivPak®(LS)-35	Units/Case
375-M-00103	10
375-M-00104	50
375-M-00105	100

ActivPak®(LS)-T350	Units/Case
375-M-00107	10
375-M-00108	50
375-M-00109	100

ActivPak®(LS)-33	Units/Case
375-M-00111	10
375-M-00112	50
375-M-00113	100

ActivPak®(LS)-T330	Units/Case
375-M-00114	10
375-M-00115	50
375-M-00116	100

## Safety

- Safe to use and handle. Product is not hazardous for people or the environment according to EU (CLP) or OSHA HazCom 2012 (US GHS).
- Product in unopened original container prior to use does not meet criteria for hazardous waste according to 40 CFR 261 (no components listed on F, K, P or U lists; not ignitable, not corrosive, not reactive and not toxic).

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