

Zerust® ActivPowder™ (LS)-10F

The Zerust®/Excor® ActivPowder™(LS)-10F is a VCI (Volatile Corrosion Inhibitor) powder designed to protect metal surfaces in large voids from corrosion. This self-fogging powder combines VCI protection with a Flash Corrosion Inhibitor (FCI™) to protect against flash rust and provide long-term corrosion protection.

Zerust/Excor ActivPowder(LS)-10F is a powerful ferrous corrosion inhibitor powder for challenging applications. The exceptionally fast diffusion rate of Zerust Activ™ inhibitors enables rapid delivery of protection, even in hard to reach spaces of structural voids, tubing and cavities. It also provides effective surface passivation to protect lightly contaminated metal surfaces from corrosion. Add ActivPowder(LS) to voids to protect from corrosion after hydrostatic testing.

Apply powder by sprinkling or fogging into void spaces. To apply by spray, use a solution of powder dissolved in deionized water. Then, tightly seal the void or enclosure. At the end of its service life, ActivPowder(LS)-10F powder may be removed or it may remain in the enclosure. The powder is water soluble and should be added to any standing water that cannot be removed in the enclosure. The ActivPowder(LS) powder is a low odor and nitrite-free formula and has a REACH compliant Safety Data Sheet (SDS) available.

Application Example

Protect hard to reach spaces with rapidly diffusing ActivPowder(LS). It quickly reaches surfaces of internal spaces via its auto-fogging properties such as the inside of heat exchangers.



Benefits

Fast acting and effective on hard to reach surfaces

Safe* and easy to use

Protects against flash corrosion

Does not cause hydrogen embrittlement

Protects against acid gases, salt air and other challenging contaminants

Powerful and long-lasting protection

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).



Protect large void spaces of metals assets in storage and lay-up

Specifications

Product Information Zerust®/Excor® ActivPowder(LS)-10F is a VCI (Vapor Corrosion Inhibitor) and FCI (Flash Corrosion Inhibitor) white powder.

Protected Metal Types Ferrous protection. Multimetal compatible. Do not place in direct contact with copper, brass or zinc. Test before use.

Properties

pH	9 - 10.5
Solubility	> 25 g/L

Storage Store tightly closed in original container in a cool, dry place and away from sunlight for up to 2 years. Store at or below 40% RH.

Protection Capabilities*

Zerust® Product Name	Normal Environment**		Aggressive Environment**	
	Volume of Protection	Duration of Protection (Up To)	Volume of Protection	Duration of Protection (Up To)
ActivTab™(LS)-25	0.25 ft ³ (0.0071 m ³)	6 months	0.025 ft ³ (0.0007 m ³)	15 days
ActivCapsule™ FAC1-1s	4 ft ³ (0.12 m ³)	1 year	0.35 ft ³ (0.01 m ³)	1 month
ActivPak®(LS)-35	35 ft ³ (1 m ³)	1 year	11 ft ³ (0.3 m ³)	2 months
ActivPak-35	35 ft ³ (1 m ³)	2 years	11 ft ³ (0.3 m ³)	4 months
ActivPowder™(LS)-10F	1 lb = 280 ft ³ (8 m ³)	3 years	1 lb = 90 ft ³ (3 m ³)	1 year
ActivPowder-10F	1 lb = 280 ft ³ (8 m ³)	3-15 years	1 lb = 90 ft ³ (3 m ³)	1-5 years

* 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 SO₂) defined as warehouses, light industrial areas, and shipping and storage in sealed packaging or enclosures. Aggressive environment (at or above 0.2 ppm SO₂) 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.

Availability

Zerust/Excor ActivPowder(LS)-10F is stocked in pails. A 5-7 day lead time may apply.

ActivPowder(LS) 460-F-00003	Quantity 30 lb (14 kg)
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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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