

Zerion® Sol-V™

CORROSION INHIBITOR FOR VOIDS & ENCLOSURES WITH WATER POTENTIAL



Zerion Sol-V Fights Corrosion in Voids with Water Accumulation

THE ZERUST SOLUTION >>>

Zerion Sol-V provides powerful corrosion prevention action in voids and enclosures especially when there is either stagnant water, or the potential for water seepage and/or accumulation of water over time.

- Zerust® Vapor Corrosion Inhibitors (VCIs) and Flash Corrosion Inhibitors (FCIs™) work to protect bare metal in the vapor spaces of voids or enclosures.
- Sol-V proprietary blend of Soluble Corrosion Inhibitors (SCIs) dissolve in the water and neutralize corrosive elements.

Sol-V's revolutionary new packaging allows the VCIs to release while conserving the SCIs until water enters the system. The packaging allows water to enter and releases the SCI. This feature gives users a simple way of using the product minimizing risks associated with unpacked powders.

Sol-V is effective in acid gas environments, will work in both fresh water and sea water situations, and does not contain phosphates.

APPLICATIONS >>>

Sol-V works best in environments where the time, volume and composition of water entering the system is unpredictable.

Typical applications include:

- Offshore platform leg voids
- Vessels and tanks mothballed in tropical environments
- Ship blocks being fabricated in areas of high humidity
- Piping systems
- Heat exchangers
- Outdoor preservation when water entry is an issue.



ZERUST AWARDS



Zerust Flange Saver®
Zerust ReCAST-R™

2012: Winner of the MP
Readers' Choice NACE Corrosion
Innovation of the Year award

CREDENTIALS

- 40+ years of experience in corrosion prevention
- Client support in 50+ countries
- Chair key task group at NACE

MEMBERSHIPS



DURATION OF PROTECTION

Once the Sol-V technology is introduced into a void or enclosed space, it will provide effective protection for 10+ years as long as the enclosure is hermetically sealed and the amount of water in the system is within the defined parameters.

PRODUCT PROPERTIES

- Appearance: Light tan off-white powder
- pH: > 8-10 for 1% solution
- Odor: Amine-like
- Packaging: Pail & Sachet

SAFETY & HANDLING

- Avoid contact with eyes and skin through use of safety glasses and gloves
- If dust is generated ensure adequate ventilation or use dust mask to prevent inhalation
- See Safety Data Sheet (SDS) for more information

STORAGE

- Shelf life is 36 months
- Store in a sealed container in a dry, ventilated warehouse without exposure to direct sunlight and temperature below 70°C (170°F)

SOL-V BENEFITS

- Easy-to-use diffuser system
- Protection from both flash and long-term corrosion of metal plates and welds with little/no surface preparation
- No fogging equipment or labor required due to the rapid dissipating FCI™ action
- Corrosion protection for voids and interstices that are impossible to protect with other methods
- Soluble components mitigate corrosion due to stagnant or seepage water
- Vapor action ensures uniform distribution of a non-permanent molecular layer of protection over enclosed metal surfaces

PRODUCT USE >>>



Voids and Enclosed Spaces:

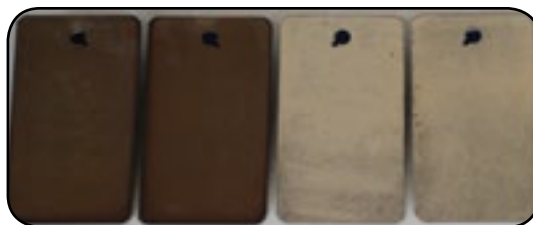
The Sol-V™ diffusers can be distributed inside a void or enclosure before it is welded shut or sealed. In certain applications the diffuser packaging may be slit and the Zerion powder poured into the void to provide protection.

PRODUCT SIZES & SPECIFICATIONS >>>

Name	Size	Protection Volume		
		Vapor Space Only	Fresh Water (150 ppm Cl)	Sea Water (3.5% of Cl)
Zerion Sol-V-05	50 gm Sachet	1 m ³	52 L	0.4 L
Zerion Sol-V-150	15 kg Screw Top Pail (33 lbs / 15 kg)	300 m ³	15,720 L	120 L

SOLUTION EFFECTIVENESS >>>

SO₂ Acid Gas Test (4.5 ppm SO₂)



Without Sol-V

With Sol-V

PARS SANAT KEYMAND

Address: 3rd Floor, No. 21, Fatemi St., Valiasr Ave., Tehran-Iran
Tel.: (+98 21) 8896 8639 Fax: (+98 21) 8896 6464
E-mail: info@parssk.com WWW.PARSSK.COM