

Zerion™ Sol-V™ C-Series

KEY ZERUST® OIL & GAS CLIENTS

- Conoco Philips
- Shell
- Petrobras
- EPPCO
- PEMEX
- Baker Hughes
- Schlumberger
- Halliburton
- FMC Technologies

PRODUCT INFORMATION

Zerion™ Sol-V™ C-Series 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) that dissolve in the water and neutralize corrosive elements.

Zerion Sol-V's revolutionary new packaging allows the VCIs to release while conserving the SCIs until water enters the system. In the presence of water, the packaging dissolves 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.



PRIMARY APPLICATIONS

Zerion 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, etc.

CREDENTIALS

- 30+ years of experience in corrosion prevention
- Client support in 50+ countries
- Member of API
- Chair key task group at NACE International

DURATION OF PROTECTION

Once the Zerion™ 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.

USER 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 Zerion 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 (150ppm Cl ⁻)	Sea Water (3.5% of NaCl)
Zerion Sol-V C-1	100gm Sachet	2M ³	.20M ³	.00208 X 10 ⁻³ M ³
Zerion Sol-V C-25	2,500gm Bag (2.5kg/5.5lbs)	37.5M ³	5M ³	.052M ³
Zerion Sol-V C-100	10,000gm Bag (10kg/22lbs)	150M ³	20M ³	.208M ³

*Zerion Sol-V C-Series is light tan, off-white powder in a soluble bag contained in a protective leak proof outer bag.



EFFECTIVENESS

SO₂ Acid Gas Test (4.5 ppm SO₂)



Without Zerion™ SOL-V™

With Zerion™ Sol-V™

PRODUCT PROPERTIES

- pH: > 8-10 for 1% solution
- Odor: Amine-like

SAFETY & HANDLING

- Avoid contact with eyes and skin through use of safety glasses and gloves.
- Use a dust mask to prevent inhalation.
- See MSDS 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)

QUESTIONS?

Please contact a Customer Service Representative at +1 (763) 225-6600 or email sales@zerust.com.

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