

S-69 Powder Series

DESCRIPTION

S-69 Powder is a blend of powder corrosion inhibitor building blocks for water treatment formulations. It provides corrosion protection for ferrous and non-ferrous metals and is an excellent replacement for phosphonate and/or nitrite based compounds. S-69 Powder is an organic formulation that contains a unique combination of contact corrosion inhibitors and Vapor phase Corrosion Inhibitors for effective protection in solution and in air pockets and small void spaces.

S-69 Powder is available in the following versions:

- S-69 (Molybdate tracer)
- S-69 PMF (No tracer)
- S-69 B (Molybdate tracer)
- S-69 IT, EcoShield® (No tracer)

PACKAGING & STORAGE

S-69 Powders are packaged in 5 pound (2.27 kg) boxes, 50 pound (22.7 kg) drums, and 100 pound (45.3 kg) drums.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® ADDITIVES FOR WATER TREATMENT



FEATURES

- Protects ferrous and non-ferrous metals from corrosion
- Nitrite-, phosphate-, and chromate-free
- Contains contact and Vapor phase Corrosion Inhibitors
- Readily water-soluble for easy application

METALS PROTECTED

- Aluminum
- Carbon Steel
- Galvanized Steel
- Cast Iron
- Copper
- Brass

TYPICAL PROPERTIES

Appearance	White to off-white powder
pH	12.5-13.5 (S-69 P, PMF, 10% aqueous) 9.1-9.6 (S-69 B, IT EcoShield®, 1% aqueous)

TOXICOLOGICAL INFORMATION*

Test Species	NOEC/LOEC, ppm	48-hr LC50, ppm
M. beryllina	100/1000	316
M. bahia	100/1000	569
D. pulex	10,000/>10,000	--
P.Promelas	10,000/>10,000	--

*Testing results apply to standard S-69 Powder.

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APPLICATION

Add to water treatment formulations in place of nitrites, molybdates, phosphates, and other types of restricted corrosion inhibitors.

Protection Length	Dose* S-69 Powder per 100 gal	Dose* S-69 Powder per 100 L	Dosage %	ppm
During Testing & Operational Protection	1.25 lbs	150 g	0.15	1500
0-6 Months	2.5 lbs	300 g	0.3	3000
6-12 Months	4.2 lbs	500 g	0.5	5,000
12-24 Months	6.25 lbs	750 g	0.75	75,000

***These are general dosing guidelines and may not be suitable for every application. Please contact Cortec® Technical Service for specific dosage information.**

DETECTION AND MONITORING

S-69 Powder may be monitored using refractometry, pH, or the included tracer. Please contact Cortec® Technical Service for detection charts for each product.

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC
info@cortecvci.com
<https://www.cortecvci.com>
<https://www.cortecwatertreatment.com>



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