



VpCI® ADDITIVES FOR FORMULATORS

S-69 Powder

VpCI® Water Treatment Building Block



PRODUCT DESCRIPTION

S-69 Powder is a Vapor phase Corrosion Inhibitor (VpCI™) developed as a corrosion prevention additive for the water treatment industry. This building block provides multimetal protection including galvanized steel and yellow metals. The VpCI™s form a strong monomolecular layer on the metal surface that protects in all three phases - liquid, vapor and the vapor-liquid interface. S-69 Powder provides water treatment companies the ability to incorporate Cortec® VpCI technology into their specific formulations.

TYPICAL APPLICATIONS

S-69 Powder is an anticorrosion additive to water treatment formulations to replace chromates, nitrites, phosphonates, and other types of restricted corrosion inhibitors.

METHOD OF APPLICATION

a) Closed loop

The final concentration of S-69 Powder under operating conditions for a closed loop system formulation is 750 ppm - 1000 ppm.

b) Open loop

The final concentration varies with formulations. (Contact Cortec for your specific formulation needs.)

FEATURES

- Protects multimetals including galvanized steel and yellow metals
- Prevents corrosion and pitting at economical concentrations
- Effective for open and closed loop cooling systems
- Contains contact and vapor phase corrosion inhibitors
- Can be used as a corrosion inhibitor additive in the majority of water treatment programs
- Nitrite, chromate and heavy metal free
- Readily water-soluble powder for easy application
- Environmentally friendly formulation
- Compatible with the majority of commercially available biocides and antiscalants
- Eliminates environmental hazard and disposal problems
- Easily traceable utilizing a Molybdenum test kit. S-69P contains 2.1% Mo by weight, in the form of $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ (at 5.2% of total formulation). See reversed side for Mo vs. S-69P concentration chart

EPA/600/4-90/027F

Meets EPA requirements for discharge in seawater and freshwater in used concentration.

48-hour Static-renewal toxicity test:

EE#	Appendix	Sample ID	NOEC/LOEC, ppm	
			D. pulex	P. Promelas
E-17766-01	A	S-69P	10,000/>10,000	10,000/>10,000

TYPICAL PROPERTIES

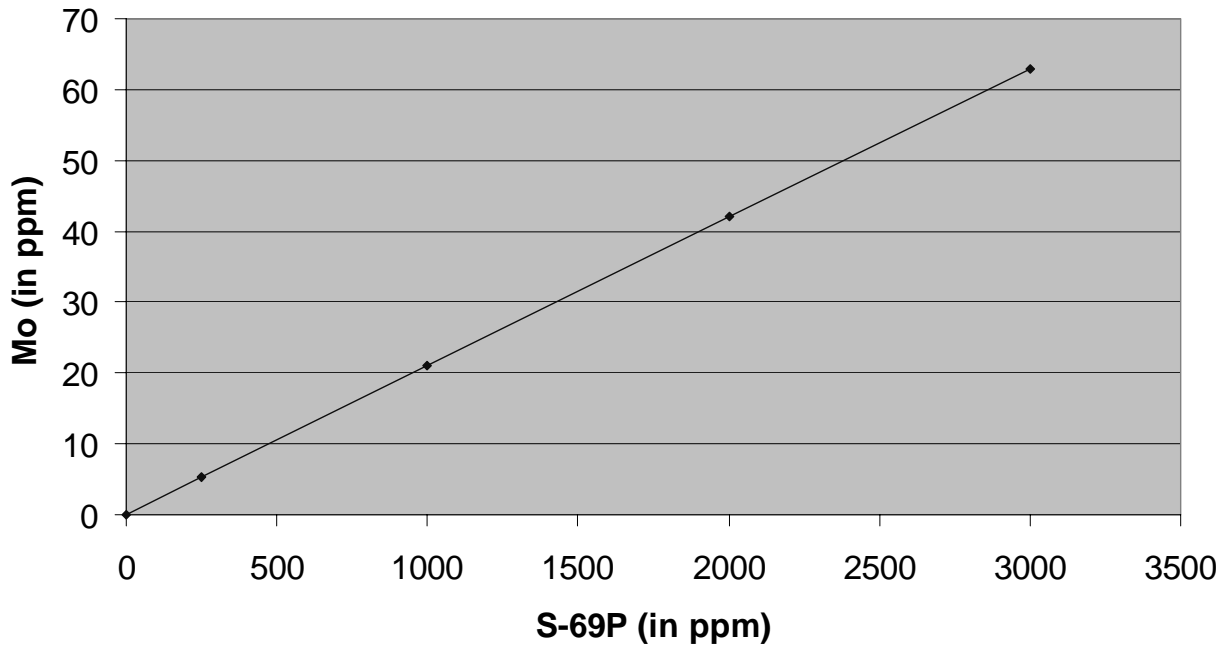
Appearance White to off-white powder
 pH 10 - 12 (1% aqueous)

PACKAGING AND STORAGE

S-69 is packaged in 5 lb.(2.27 kg.) box, 50 lb.(22.7 kg.) and 100 lb.(45.3 kg)drums. It should be stored in a tightly closed container. The shelf life is 2 years.



Theoretical concentration of Molybdenum vs. S-69P



FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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