

## S-69 Liquid Series

### DESCRIPTION

S-69 is a blend of liquid corrosion inhibitor building blocks for water treatment formulations. These additives protect ferrous and non-ferrous metals from corrosive contaminants and are excellent replacements for phosphonate and/or nitrite based compounds. S-69 is an organic formulation designed for low level concentrations in field applications. This product contains a unique combination of contact corrosion inhibitors and Vapor phase Corrosion Inhibitors for effective protection in solution and in air pockets or small void spaces in process water systems.

S-69 liquid is available in the following versions:

- S-69 (Molybdate Tracer)
- S-69 MF (PTSA Tracer)
- S-69 N (Nitrate Tracer)
- S-69 OF (No Tracer)

### PACKAGING & STORAGE

S-69 is available in 5 gallon (19 L) plastic pails, 55 gallon (208 L) drums, liquid totes, and bulk.

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
- Classified as "Readily Biodegradable" according to OECD 301 method

### METALS PROTECTED

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

### TYPICAL PROPERTIES

Appearance	Clear amber liquid
pH	9.1-9.6 (neat)
Density	9.4-9.6 lb/gal (1.13-1.15 kg/L)

### DETECTION AND MONITORING

The concentration of S-69 may be monitored using refractometry, pH, or the included tracer. Contact Cortec® Technical Service for detection charts for each product.

S-69 MF is best for applications without direct sunlight exposure, in order to maintain stability of the PTSA tracer. Contact Cortec® Technical Service for PTSA detector recommendations.

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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 per 100 gal	Dose* S-69 per 100 L	Dosage %	ppm
During Testing & Operational Protection	0.3 gallons (38 ounces)	300 mL	0.3	3000
Up to 6 Months	0.5 gallons (64 ounces)	500 mL	0.5	5000
6-12 Months	1 gallon	1 L	1	10,000
12-24 Months	1.5 gallons	1.5 L	1.5	15,000

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

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