



Anchor Chain Corrosion Control

Technical Data Sheet

Date of Preparation: December 23, 2025

DESCRIPTION

S2S Anchor Chain Corrosion Control is a long-lasting, heavy-duty corrosion inhibitor formulated for marine anchoring systems operating in harsh, salt-water environments. It polar bonds to metal surfaces, forming a thick, persistent protective film that resists wash-off, displaces moisture, and helps prevent corrosion between chain links and mating components.

The product is easy to apply by spray, brush, or immersion and can be applied over damp, painted, or rusted surfaces without sandblasting or curing time.

FEATURES

- Requires no sandblasting
- Forms a thick, long-lasting protective film
- Resists wash-off and splash in marine environments
- Displaces water and oxygen
- Penetrates between chain links and contact points
- Provides high dielectric strength to help reduce galvanic interaction
- Offers a wide operating temperature range

USES

Entire anchoring system, including chain, hawse and spurling pipes, chain lockers, anchor windlass, windlass brakes, D-shackles, swivels, Kenter shackles, chain stoppers, bolts, and pins.

APPLICATION

Shake or stir product before use.

1. Prepare surface by removing loose dirt, debris, and degreaser. No sandblasting required. Product may be applied over existing rust and paint.
2. Calculate product requirement. Each gallon will cover approximately 150 sq ft surface area. Typical coverage varies by surface condition, chain size and film thickness. For heavily rusted or porous surfaces, more product may be needed.
3. Apply a heavy, even coat by spray, brush or immersion, ensuring full coverage between chain links, welds, cracks, and edges.
4. Inspect annually and reapply if the protective film appears dry or diminished.

Painting over S2S Anchor Chain Corrosion Control is not recommended, as adhesion may be reduced.

APPLICATION TIPS

- **Small craft:** Apply a heavy, even coat while the chain is retracting into the chain locker or while the chain is staged in the locker.
- **Large vessels:** Apply a heavy, even coat between the hawse pipe and windlass as the chain is being retracted.





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TECHNICAL PROPERTIES

Typical Properties, Not Specifications

Property	Typical Value	Test Method
Physical Form	Liquid	—
Base Type	Petroleum	—
Viscosity	Approx. 19,000 cP @ 25 °C	ASTM D2196
Relative Density	Approx. 0.87 (Water = 1) @ 15.6 °C	ASTM D4052
Flash Point	Approx. 80–85 °C (176–185 °F)	ASTM D92 / D93
Pour Point	Approx. 6 °C (43 °F)	ASTM D97
Dielectric Strength	Approx. 9 kV	ASTM D877
Burning Characteristics	Does not sustain burning	ASTM D4206
VOC Content	0.29% by weight	—

PERFORMANCE TESTING

- Provides effective corrosion protection in marine environments.
 - Maintains protective film integrity across a wide temperature range.
 - Exhibits load-carrying and anti-wear performance under laboratory testing.
- Testing conducted using ASTM methods including D2783, D877, and related procedures.
Supporting technical data available upon request.

REMOVAL

Product does not typically need to be removed. If desired, wash with a high-pH detergent and water.

STORAGE

Store in a well-ventilated place at room temperature. Shelf life: 18 months.

AVAILABLE PACKAGING

12 oz / 340 g aerosol

1 gal / 3.78 L

5 gal / 18.9 L

55 gal / 205 L

All information on this data sheet is based on testing by Valkyrie Enterprises. All products should be tested for suitability for a particular application prior to use. Valkyrie makes no representations or warranties of any kind concerning this data.
Supporting technical data is available upon request.

S2S is a  VALKYRIE owned and distributed product

www.valkyrie.com - corrosioncontrol@valkyrie.com



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