

## Description

**S2S Corrosion Shield** is an environmentally friendly, long-lasting anti-corrosion lubricant formulated to prevent rust and corrosion on metal surfaces.

**S2S Corrosion Shield** is easy to apply by spraying, brushing or dunking. It polar bonds to all types of metal including damp, painted and rusted surfaces providing long-term protection. Application of S2S does not require sandblasting.

**S2S Corrosion Shield** water discharge meets the requirements of the California Environmental Protection Agency, the Canadian Marine Water Quality Guidelines and the British Columbia Provincial Marine Water Quality Guidelines.

## Features

- Provides self-healing coverage
- Displaces water and oxygen
- Penetrates and de-scales existing rust
- Keeps metal surfaces rust-free long-term
- Barrier against water, humidity and salt
- Compatible with electronics, rubber and plastics
- No cure time
- Environmentally friendly

## Uses

Work-in-progress goods • Equipment and parts going into storage • Goods in transit • Structural steel and support bases • Wellheads • Drill rigs • Fittings and flanges • Pipelines and piping • Any exposed metal surface

## Application

Shake or stir product before use.

1. Calculate product requirement: Coverage per gallon of product at 2 mils = 200 sq ft. surface area.
2. Prepare surface by removing dirt, debris and degreaser. No sandblasting required. Can be applied over damp, rusted and painted surfaces.
3. Spray, brush or roll product on evenly ensuring welds, cracks and corners are well-coated. No curing time.
4. Reapply when treated surface is dry to the touch or no longer shiny. Painting over S2S products is not recommended as paint may not adhere properly.

For additional information, see the **S2S Application Guide** at [www.ship-2-shore.com](http://www.ship-2-shore.com)

## Removal

Product does not typically need to be removed but if desired, simply wash with a high pH detergent and water.

## Disposal

Dispose of contents and container in accordance with applicable regional, national and local laws and regulations.

## Storage

Store in a well-ventilated place at room temperature. Shelf life is greater than 2 years.

## Data Specifications

Physical Characteristics	Liquid
Base Type	Petroleum
Non-volatile content	90.57% w/w (ASTM D2369)
Pour Point	-15°C (ASTM D97)
Viscosity	80.39 cSt @ 40°C (ASTM D445)
Solvent Distillation End Point	~130° C (ASTM D86)
Sulfated Residue	3.14% (w/w) (ASTM D874)
Flash Point	158°C (ASTM D92)
Salt Spray Chamber	No corrosion or pitting up to 500 hours (ASTM B117)
VOC content, wt. %	0.7 lb/gal
Relative Density	0.883 (Water = 1) @ 15.6 °C (ASTM D4052)
Burning Characteristics	Does not sustain burning (ASTM D4206)
Stability (Low Temperature Recovery)	Pass
Sprayability	Pass (Sprayable at 5°C)
Miscibility	Pass
Dielectric Strength	36.8 Kv (ASTM D877)
Rust Protection Humidity Cabinet	Pass (ASTM D1748)
Rust Preventing Characteristics	Pass (ASTM D665)

Available in 5 gal / 20 L pail, 55 gal / 205 L drum, 264 gal / 1000 L.

All information on this data sheet is based on testing by Valkyrie Enterprises. All products should be tested for suitability on a particular application prior to actual use. Valkyrie makes no representations or warranties of any kind concerning this data. Supporting data available upon request. This data sheet replaces previous versions prior to 10/01/24.