



1133 Norvell Road  
Grass Lake, MI 49240  
734-426-2475  
[www.jdindustrialsupply.com](http://www.jdindustrialsupply.com)

# Boeshield T-9® Technical Data Sheet

## Product Overview

Boeshield T-9® is a high-performance corrosion protectant and waterproof lubricant. Developed with a unique paraffin wax formula and a proprietary blend of solvents and inhibitors, it is designed to penetrate deep into metal pores, displace moisture, and leave a clean, waxy film that seals and protects surfaces from rust and corrosion. Its thin, non-gummy coating is effective in harsh marine, industrial, and household environments.

## Key Features & Benefits

- **Superior Corrosion Protection:** Actively dissolves minor corrosion and creates a durable barrier against rust and moisture.
- **Deep Penetration:** Wicks into tight spaces and metal seams to provide protection from the inside out.
- **Waterproof Lubrication:** Dries to a thin, waxy film that lubricates moving parts without attracting dust, dirt, or sand.
- **Long-Lasting:** The protective film is stable and provides protection for many months.
- **Safe on Most Surfaces:** Safe for use on paints, plastics, vinyl, and all types of metals.

## Technical Specifications

Property	Value	Notes
Flow Viscosity	6 cSt	at 75°F ± 1°F (24°C ± 0.5°C)
Penetrability	1.2 in (30.5 mm) minimum	Capillary height of rise in a 0.015-

		inch bore at room temperature.
<b>Wetability</b>	30 dynes/cm	
<b>Flash Point</b>	129°F (54°C)	Tag Closed Cup (TCC)
<b>VOC Content</b>	24.5%	
<b>Appearance</b>	Amber liquid, dries to a clear or light amber waxy film	
<b>Film Thickness</b>	Approximately 0.0005 inches (12.7 microns)	Varies with application method.

## Standards & Compliance

- **Corrosion Inhibition:** Meets requirements of FED-STD-791, Method 4001 and ASTM G-34.
- **Water Displacement:** Meets requirements of MIL-C-16173D.
- **Low-Temperature Adhesion:** Flaking is less than 1/32 inch at  $-40 \pm 5$  K, per MIL-O-16173D.

## Application Instructions

1. **Preparation:** For best results, ensure the surface is clean and dry. Remove any loose rust, dirt, or old lubricants.
2. **Application:**
  - **Aerosol:** Shake can well. Spray a thin, even coat onto the surface from a distance of 8-12 inches (20-30 cm).
  - **Liquid:** Apply a thin film using a brush, roller, or spray equipment.
  - For deep penetration into assemblies or chains, apply liberally to allow wicking into crevices.
3. **Cure/Dry Times:**
  - **To Touch:** Approximately 2 hours.
  - **Full Cure:** The protective wax film is fully set after 24 hours. The solvent carrier must be allowed to evaporate completely for the film to become effective. Do not wipe the surface after application.
4. **Reapplication Guidance:** Reapply as needed based on environmental exposure. For critical applications or high-wear areas, reapply every 6-12 months or after cleaning the surface with solvents.

## Coverage & Performance

- **Coverage:** Approximately 500–1,000 square feet per US gallon (12–25 square meters per liter). Coverage varies based on surface porosity and application method.
- **Performance:** Provides effective corrosion protection for months. Durability is dependent on the severity of the environment and surface wear.

## Compatibility & Removability

- **Compatibility:** Safe for use on all metals, paint, vinyl, fiberglass, and most plastics. It is recommended to test on a small, inconspicuous area before full application on sensitive materials.
- **Removability:** The Boeshield T-9® film can be removed using an aliphatic naphtha, a good quality cleaning solvent, or an emulsifying cleaner.

## Storage & Handling

- Store in a cool, dry, well-ventilated area away from direct sunlight, heat, and sources of ignition.
- Keep container tightly closed when not in use.
- Recommended storage temperature is between 40°F and 90°F (4°C and 32°C).

## Safety & Regulatory

- **Warning:** Combustible liquid and vapor. Keep away from heat, sparks, and open flame.
- Use in a well-ventilated area. Avoid breathing vapors or spray mist.
- For complete safety, health, and environmental information, please refer to the product Safety Data Sheet (SDS).
- **SDS available at:** [SDS Link on Company Website]

## Packaging Options

Boeshield T-9® is available in the following sizes:

- 4 oz Aerosol Can
- 12 oz Aerosol Can
- 1 Gallon Jug
- 5 Gallon Pail
- 55 Gallon Drum

(Availability may vary by region. Contact your local distributor for details.)

## Warranty & Support

[Company Name] warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on this data sheet when used in accordance with the directions. Liability is limited to the replacement of the product or refund of the purchase price.

## **Contact Information**

### **Sales & Technical Support:**

[Company Name]

[Company Address]

[Phone Number]

[Email Address]

[URL]

**Disclaimer:** The information contained herein is based on data believed to be reliable. However, it is the user's responsibility to determine the suitability of the product for their specific application. No warranty is expressed or implied.