

MARINE TRANSPORTATION



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RSC Bio Solutions specifically formulates readily biodegradable* products for demanding marine transportation applications. The high performance solutions comply with regulations like the 2013 EPA VGP, they reduce risk, lower operating costs, and they're cleaner and safer for both employees and the environment.

Compliance You Can Count On.

From cruise lines to drill ships and cargo ships, the marine transportation industry is relying—more and more—on the EnviroLogic® and SAFECARE® series of readily biodegradable lubricants, cleaners and degreasers to help comply with ever-changing federal and local regulations—including the 2013 EPA Vessel General Permit (VGP). But regulatory compliance is only part of the story.

- RSC Bio Solutions certifies that its products meet the EPA's definition of Environmentally Acceptable Lubricants (EAL)
- 2013 EPA VGP compliant and technically feasible

It Comes Down to Costs.

Lower cleanup costs, fewer fines and less downtime mean that readily biodegradable fluids and lubricants can help lower the overall cost of your operation. In fact, switching to RSC Bio Solutions could pay for itself almost immediately after an unauthorized discharge. That's because RSC Bio Solutions' non-sheening products biodegrade $\geq 60\%$ within 28 days (according to OECD 301B or ASTM D7373 methods), leaving the waterways and marine environment safer and cleaner. And leaving you with fewer fines, lower remediation costs and less downtime.

Additionally, the Department of Transportation (DOT) does not consider these products to be hazardous materials, which results in lower shipping, handling and containment costs. Not to mention, the public perception of a company utilizing sustainable methods and products is much more positive than that of one cleaning up after yet another petroleum based incident. And perceptions certainly affect bottom lines.

At the end of the day, though, you also need fluids that perform—that do more than simply comply with the 2013 EPA VGP. You need fluids that comply with your equipment's demands.

- Readily biodegradable products biodegrade $\geq 60\%$ within 28 days*

Proven Performance.

The EPA and local state and municipal governments mandate compliance with various regulations. But regulatory compliance doesn't have to involve performance tradeoffs. RSC Bio Solutions' EnviroLogic lubricants and functional fluids have lower operating temperatures and longer changeover intervals. And because these readily biodegradable products offer superior lubricity and antiwear characteristics, you will benefit from longer changeover intervals and extended equipment life.

The SAFECARE line of cleaners and degreasers works just as well. These powerful, industrial strength, readily biodegradable products don't compromise on performance. They are also minimally toxic—meaning they are safer for users and safer for the environment.

There is no catch. Extensive lab testing and field demonstrations have proven that RSC Bio Solutions' lubricants, cleaners and degreasers perform as well as—and in many cases better than—petroleum based alternatives. It's why our products have been approved by so many original equipment manufacturers (OEMs).

- Longer changeover intervals
- Non-sheening



Products you need for problems you don't.™

*As per OECD 301B or ASTM D7373.



Marine Applications

Our uniquely engineered marine lubricants and cleaners leave no sheen on the water's surface and are effective for use in the following applications:

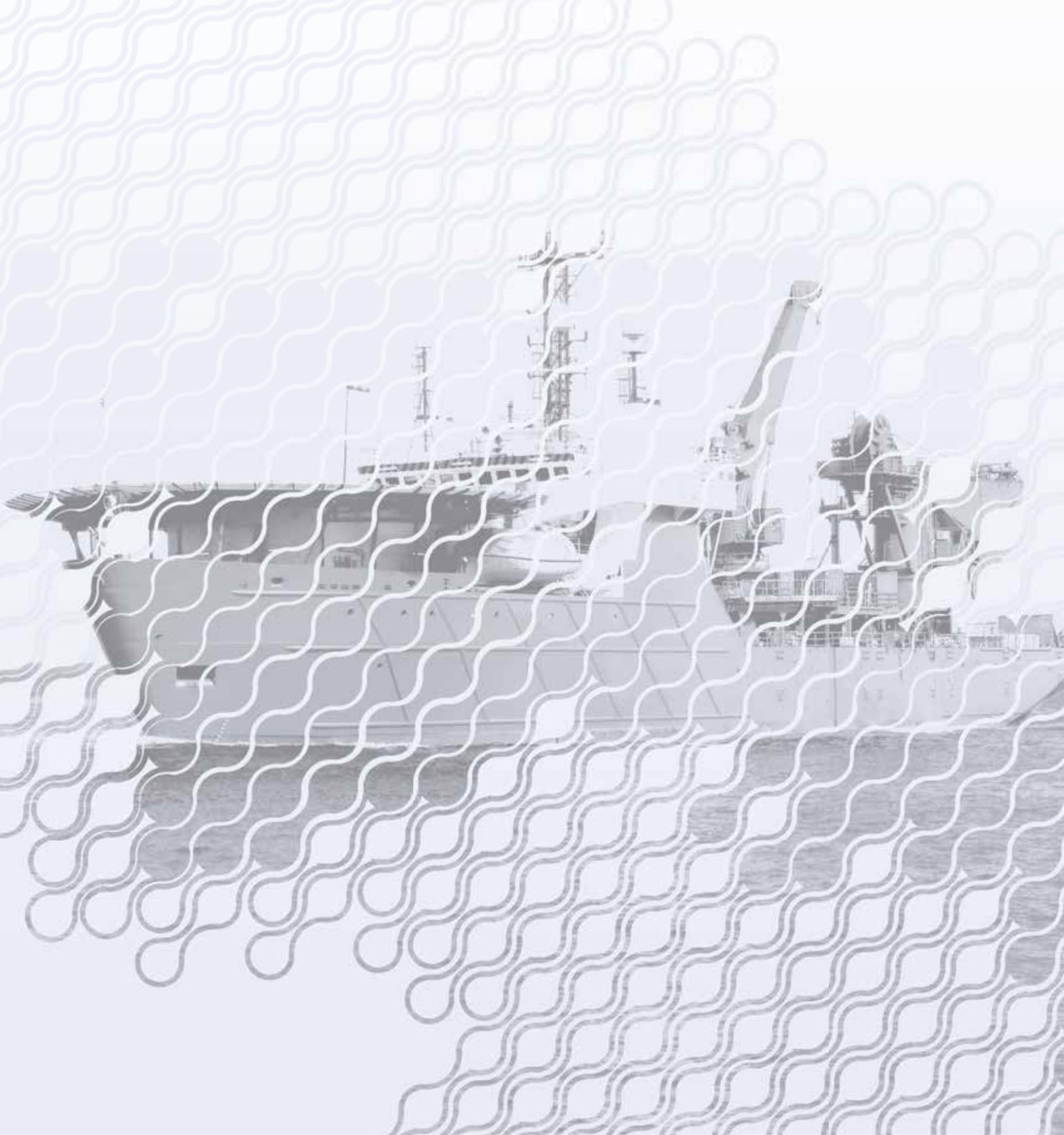
- Transport vessels: controlled pitch propellers, thrusters, stern tubes, thruster bearings, stabilizers, rudder bearings, azimuth thrusters, propulsion pod, wire rope lubricant and mechanical equipment subject to immersion
- Any equipment with oil-to-water interfaces
- Hydraulic systems including mobile hydraulic systems
- Oil & Gas: platform, drill ships, work boat lift equipment—cranes, winches, wire rope lubricant
- Ports: cranes, lift equipment
- Dredging: mechanical buckets, grinders, pulverizers, conveyors
- Pile driving: hammers, vibratory hammers
- Fluid-to-torque auger drills, drive caps and impact hammers, striker plates and vibrators with specialty gears
- Deck and equipment wash
- Oil stain removal
- Parts washing

Applicable Products



Hydraulic Fluids	EnviroLogic® 100 - Readily Biodegradable Hydraulic Fluids EnviroLogic® 3000 - Ultra-High Performance, Readily Biodegradable Hydraulic Fluids
Gear Oils	EnviroLogic® 200 - Readily Biodegradable Industrial Gear Oils EnviroLogic® 200EP - Extreme Pressure Synthetic Gear/Thruster Oils
Grease	EnviroLogic® 802 - Biodegradable Grease
Wire Rope, Cable & Chain Lubricants	EnviroLogic® 268 - Readily Biodegradable Wire Rope, Cable & Chain Lubricants
System Flush	EnviroLogic® BioFlush - Readily Biodegradable Flush Oil
Cleaners	SAFECARE SC-1000 - Aqueous Cleaner Concentrate CSR-3000 - Solvent Cleaner CSR-4000 - Cleaner
Absorbents	GreenSorb® High Performance Absorbent

For more information about RSC Bio Solutions, visit us at rsbio.com or call 800-661-3558.



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for problems you don't.™

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