

# MARINE CONSTRUCTION



Products you need  
for problems you don't.™

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EnviroLogic®



SAFECARE®



RSC Bio Solutions specially formulates readily biodegradable\* products for demanding marine construction applications. The proven, 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.

## A Perfect Blend of Compliance and Sustainability.

Whether you're dredging, pile driving or building a seawall, you need to make sure you're complying with ever-changing federal and local regulations—including the 2013 EPA Vessel General Permit (VGP). And that's what the EnviroLogic® and SAFECARE® series of readily biodegradable products helps you do. It's why more and more companies in the marine construction industry are turning to RSC Bio Solutions.

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

## Not All Project Delays Are Inevitable.

Lower cleanup costs, fewer fines and less downtime mean that readily biodegradable lubricants and cleaners can help lower the overall cost of your operation. They are readily biodegradable fluids that break down into water and carbon dioxide—biodegrading 60% or greater in 28 days (according to OECD 301B or ASTM D7373 methods), leaving the waterways safer and cleaner—and keeping your project on schedule. 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 need fluids that do more than simply comply with the 2013 EPA VGP—you need fluids that deliver the performance your equipment demands.

## Tested in the Lab. Proven in the Field.

The EPA, as well as state and municipal governments, mandates compliance with various regulations. But regulatory compliance doesn't have to mean performance tradeoffs. RSC Bio Solutions' EnviroLogic lubricants and functional fluids have a broader operating temperature range, superior lubricity and antiwear characteristics resulting in longer changeover intervals and extended equipment life.

In fact, the EnviroLogic series of products has passed the Vickers and Denison pump tests that measure key component wear—with flying colors. Add to that, EnviroLogic's compatibility with seals and elastomer materials and its 10+ years of use in construction and dredging across America and it's safe to say, EnviroLogic hydraulic fluids are proven to perform as well as—and in many cases better than—their petroleum based counterparts.

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

Extensive lab testing and field demonstrations have proven that RSC Bio Solutions' lubricants, cleaners and degreasers meet or exceed the performance of traditional petroleum based products. That's why our products have been approved by so many original equipment manufacturers (OEMs)—and why, if you haven't already, it's time to switch.

- Readily biodegradable products biodegrade  $\geq 60\%$  within 28 days\*
- Industrial strength
- Less downtime



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\*As per OECD 301B or ASTM D7373.

## Marine Applications

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

- Construction 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
- Work boat lift equipment, cranes, winches, wire rope 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

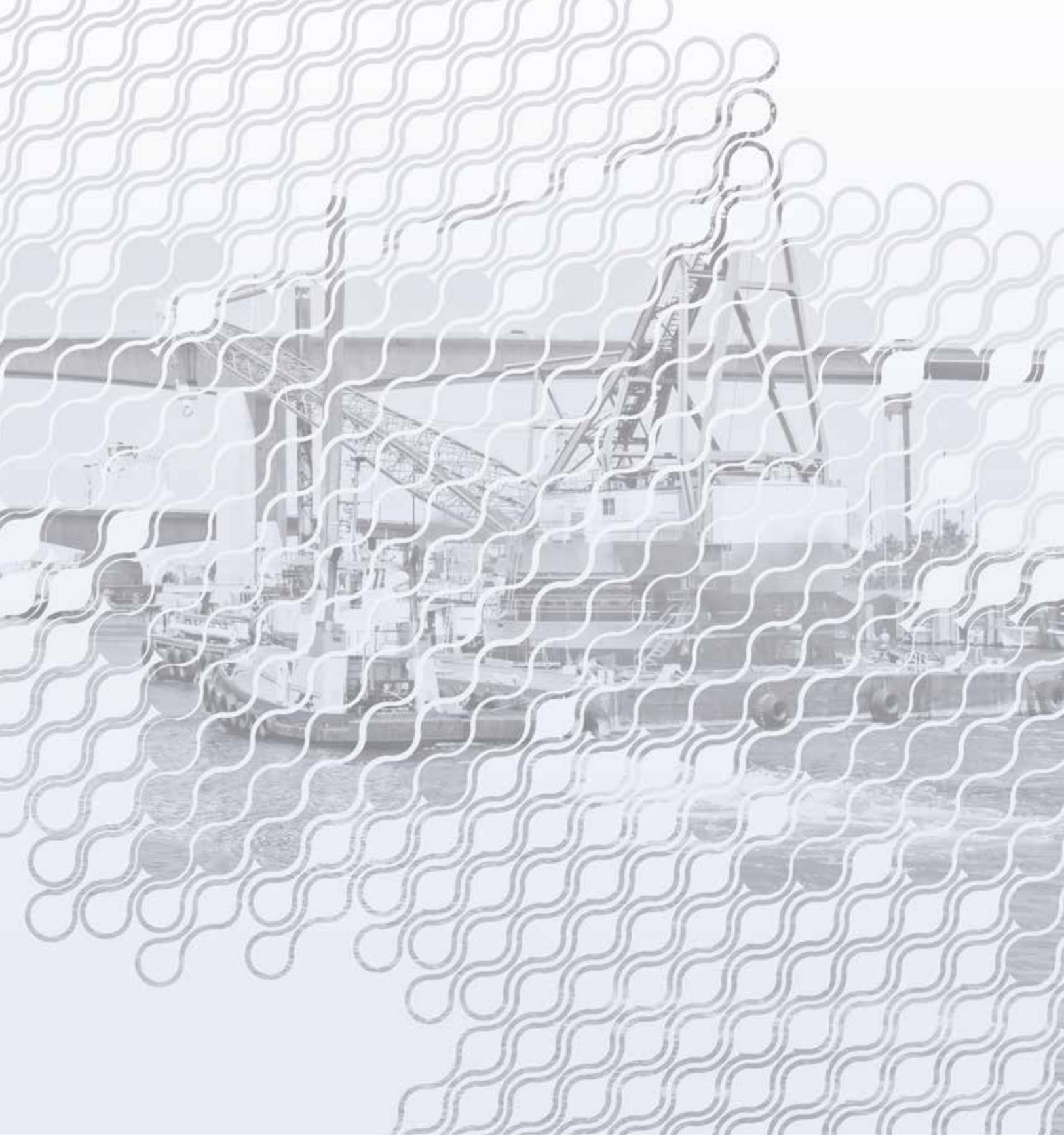


## Applicable Products

|                                     |   |
|-------------------------------------|---|
| Hydraulic Fluids                    | EnviroLogic® 100 - Readily Biodegradable Hydraulic Fluids<br>EnviroLogic® 3000 - Ultra-High Performance, Readily Biodegradable Hydraulic Fluids           |
| Gear Oils                           | EnviroLogic® 200 - Readily Biodegradable Industrial Gear Oils<br>EnviroLogic® 200EP - Readily Biodegradable 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<br>CSR-3000 - Solvent Cleaner<br>CSR-4000 - Cleaner  |
| Absorbents                          | GreenSorb® High Performance Absorbent   |



For more information about RSC Bio Solutions, visit us at [rscbio.com](http://rscbio.com) or call 800-661-3558.



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600 Radiator Road  
Indian Trail, NC 28079-7643  
800-661-3558  
rscbio.com

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