

Environmental Data Sheet – SE15B

Environmental Test results

- Below is a summary of key results.

<i>Environmental/ Ecotoxicological Property</i>	<i>Test Method</i>	<i>SE15B Result</i>	<i>Units</i>
Biobased Content	ASTM D6866	79%	% Biobased Content
Biodegradability	OECD 301B	65.3%	% in 28 Days
Acute Toxicity, Bacteria	OECD 201	EC50 >3,000	mg/L
Acute Toxicity, Daphnia	OECD 202	EC50 >1,000	mg/L
Acute Toxicity, Fish	OECD 203	LC50 >1,000	mg/L
Bioaccumulation (Partition Coefficient)	OECD 117	>7.11*	Log Kow

All OECD testing was done following OECD guidelines under GLP standards.

* The result of OECD 117 shows that SE15B has a low bioaccumulation potential.

Environmental Certifications

- USDA BioPreferred Program**
 - SE15B is listed under the BioPreferred program. The USDA BioPreferred Program requires that federal agencies and their contractors purchase biobased materials and offers a label for biobased products that meet the requirements.



- Vessel General Permit**
 - The EPA's Vessel General Permit requires that all vessels operating in US waters use environmentally acceptable lubricants. SE15B has met the requirements set forth by the EPA to be VGP compliant.

<i>Test Method</i>	<i>VGP Passing Requirement</i>
OECD 117	Log Kow <3 or >7
OECD 201	EC50 >1,000 mg/L
OECD 202	EC50 >1,000 mg/L
OECD 203	LC50 >1,000 mg/L
OECD 301B	>60% Biodegradation in 28 Days

- **LuSC-List**

- The EU Ecolabel is a voluntary labeling program to aid EU citizens in purchasing effective green solutions. SE15B has been examined and proven to conform under the Lubricant Substance Classification list (LuSC-list) as an approved base oil for formulating Ecolabel lubricants. It can be found listed at the following website:

<http://ec.europa.eu/environment/ecolabel/documents/lusclist.pdf>