

FOR IMMEDIATE RELEASE

CONTACT: Gary Thundercliffe
+1 800 343 1500
+1 610 668 9090
gthundercliffe@puroliteusa.com
www.purolite.com

PUROLITE & TRANSBIODIESEL SIGN WORLDWIDE AGREEMENT FOR
ENZYMATIC BIODIESEL RESIN TECHNOLOGY

*Enzymatic biodiesel technology offers significant operational and economic benefits
over traditional trans-esterification processes*

BALA CYNWYD, PA – Feb 2, 2010 – Purolite and TransBiodiesel today announced a joint effort to manufacture and market enzyme loaded ion exchange resins to replace traditional trans-esterification processes.

“The biodiesel industry has been looking for a better way of converting oils and fats to biodiesel. With the introduction of this patent pending technology, significant economic and practical advantages are gained. Our enzyme loaded ion exchange resin replaces the use of sodium methylate and provides the simultaneous esterification of free fatty acid and trans-esterification of fats and oils. This enables biodiesel producers to overcome many of the downstream issues currently encountered”, said Don Brodie VP Operations, Purolite.

Economics are improved in several ways. The resulting biodiesel is easy to separate from crude glycerin because of the absence of emulsifying soaps. Crude glycerin is significantly free of contaminants and can be more readily refined. The use of low grade oil feedstocks, especially those with Free Fatty Acid higher than 3% and even up to 100% can now be employed.

###

Purolite was founded in 1981 and is a leading manufacturer of ion exchange, catalyst, adsorbent and specialty resins. Headquartered in Bala Cynwyd, PA, the company has ISO-9001 certified manufacturing facilities in the USA, China, and



Romania and operates dedicated R&D centers in the USA, China, Romania, Russia, and the UK. Purolite, the only company focused exclusively on the ion exchange market, has 40 sales offices in more than 30 countries. www.purolite.com

###

TransBiodiesel develops biocatalyst substitutes to chemical catalysts, presently used for production of biodiesel fuels. The company was founded in 2008 by, Dr. Sobhi Basheer, a well known specialist in enzymes and associated industrial applications.

TransBiodiesel is located in the Galilee Society compound in Shfar-Am, in the north-west region of Israel.