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A Method Of Removing Residual Catalyst From Biodiesel



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- **Chemicals and Materials**

TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 1**

PATENT/ GRANTED NUMBER

- **MY-150819-A**

▶ TECHNOLOGY OVERVIEW

The present invention relates to a method for removing residual alkali catalyst from biodiesel, characterized by the steps of: mixing choline chloride with a hydrogen bond donor to produce a deep eutectic solvent with a molar ratio of 1:1-3, wherein the hydrogen bond donor is selected from a group consisting of glycerol, ethylene glycol and 2,2,2-trifluoroacetamide; mixing the deep eutectic solvent with the biodiesel in counter-current to form a mixture, wherein the molar ratio of the deep eutectic solvent to the biodiesel is 0.75-3:1; settling the mixture to separate the biodiesel from the deep eutectic solvent; and collecting the biodiesel.

CONTACT US!

Dr. Lee Ching Shya, RTTP

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7352 / 013-2250151