



Innovative Anti-Erasing Ink safeguards consumers' interest

創新「抗擦墨」保障消費者利益

(Photo on top) Information printed on packaging materials using anti-erasing inks will stay forever.
(上圖) 利用「抗擦墨」打印的信息碼可以永久留在包裝上。

A new indelible ink for consumer packaging provides a cost-effective way of combatting counterfeiting and the resale of spoiled goods.

專為消費品包裝而研發的嶄新防褪色墨，為杜絕贗品及轉售壞貨問題提供有效而經濟的方案。



Prof. Li Pei
李蓓教授

Package markings such as expiry date and lot number provide information for consumers and allow products to be tracked from the production line to the retailer. However, tampering with package information allows spoiled goods to be resold, which can threaten public health, diminish consumer confidence and tarnish brand value.

To help solve this urgent problem, Prof. Li Pei and her research team at the Department of Applied Biology and Chemical Technology have developed innovative anti-erasing (ATE) inks for use in food, drink and drug packaging. The ink can be printed on various packaging materials and can withstand physical tampering.

"Product manufacturers now have an effective tool to combat counterfeit and tampered products that could have disastrous effects on operations and goodwill", said Prof. Li. Even more importantly, consumers can rest assured that their products are safe.

Patent applications have been filed for the ATE inks, and production has been scaled up in mainland China. The new inks are already in use by China Mengniu Dairy Company, and many more companies have shown interest in the technology.

產品的包裝標記如到期日及產品批號等，為消費者提供重要資料外，亦讓製造商能有效監控產品從生產線到零售商的過程。不過，近年不法商人藉篡改包裝信息轉售壞貨圖利，不僅危害消費者的健康，還削弱了消費者的信心及損害企業品牌的聲譽。

理大應用生物及化學科技學系李蓓教授及其團隊為解決此迫切問題，最近已成功研發可用於食品、飲品及藥品的嶄新「抗擦墨」，能打印在多種包裝材料上，並具高耐磨性及不易刮花的特性。

李蓓教授表示：「『抗擦墨』幫助產品製造商有效打擊贗品及篡改產品信息的問題，方便運作亦保障品牌商譽，更重要是增強消費者信心。」

「抗擦墨」系列產品已申請國際專利，並已在中國內地建立生產基地。中國著名企業蒙牛乳業已在使用「抗擦墨」，而不少企業亦正有意採用這項新技術。