Applications of Plasticizers and Its Safety Concern

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Plasticizer is not new in industries applications. It is an additive to increase the plasticity or fluidity of the material to which it is added, such as plastic, rubber, coating and adhesives etc. One of the most commonly used plasticizer, phthalates, have drawn worldwide attention to the safety concerns of its usage as cloudy agent in food recently.

Here, plasticizers and phthalates as well as their applications, especially in the fields of toys, food contact materials and food will be introduced. In addition, up-to-date legislations and recall cases on these products in the world will be reviewed. The health hazard effects of phthalates will be introduced as well.

How Integrated Urinalysis System Relieve Messy Routine Works?

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Urinalysis is one of the oldest clinical laboratory examination that is still in great value in modern laboratory medicine. From macroscopic appearance, biochemistry to microscopic view of cellular components, urinalysis provides useful information not only in the evaluation of urinary tract infection, but also in the screening of renal diseases, metabolic diseases and more. However, urinalysis is also one of the most tedious laboratory tests in terms of labour and time consumption as traditional routine procedure involves manual steps. This results in low precision, low reproducibility and thus affecting the quality of the test. With the use of automated integrated urinalysis system, manual labour can be reduced and productivity can be enhanced. Test sensitivity and reproducibility can also be increased. Standardization also improves test quality and reliability thus beneficial towards patient care.