

# Safety of Plastic Milk Bottles

As part of AVA's food safety programme, laboratory assessments are conducted on various food-contact materials. Among the many materials we test is the plastic baby feeding bottle.

In the past, baby feeding bottles were made from Polycarbonate (PC) plastic due to its tough and transparent properties. PC plastic contains bisphenol-A (BPA), a compound which some researchers have claimed is detrimental to human health. Some have raised concerns over the migration of BPA from PC plastic to the milk in the bottles.

Today, baby feeding bottles are made using Polyethersulfone (PES) plastic, instead of PC plastic. PES plastic does not contain BPA. However, some have concerns over the safety of bisphenol-S, a compound which is present in PES plastic.

Are PES plastic bottles safe to use? Find out in the infographic below.

## PES PLASTIC BOTTLES ARE TESTED TO BE SAFE



AVA tested PES baby feeding bottle samples to analyse whether there is any migration of BPS from the bottles. The results showed that there was no migration of BPS, indicating that to-date, there are **no health concerns, even from repetitive use of these bottles.**



Manufacturers and traders of food-contact articles are responsible for ensuring that the articles they buy or sell are safe. There should be no migration of any harmful substances into the food stored in these food-contact articles. All food-contact articles must meet the requirements of Singapore's Food Regulations.

## ADVICE TO CONSUMERS



**Do not** heat PES baby feeding bottles in microwave ovens (unless the bottles are labelled as 'microwave-safe').



Cool boiling water until lukewarm in a non-PES container before transferring water into PES baby feeding bottles.



**Do not** pour hot boiling water into PES baby feeding bottles.



Parents who are still concerned about using PES baby feeding bottles can consider alternatives such as glass bottles.