BPA AND PHTHALATES BY THE NUMBERS

The Society of the Plastics Industry introduced today's recycling code system in 1988, when many communities in the United States were starting recycling programs. The codes—which usually appear on the bottom of bottles and other products—are mainly used to identify which plastics are amenable to recycling. While BPA and phthalates are considered potentially harmful, other chemicals used in plastics manufacture have not been studied as thoroughly and may have unknown effects.

CODE	PET	L2 HDPE	<u>3</u>
PLASTIC	Polyethylene teraphthalate	High-density polyethylene	Polyvinyl chloride (plasticized and unplasticized)
CHARACTERISTICS	Clear, smooth, and flexible; lightweight, designed for one-time use	Relatively stiff	Flexible, clear (plasticized) Hard, rigid, can be clear (unplasticized)
EXAMPLES OF USES	Individual bottles for water, juices, salad dressing; jars for peanut butter, pickles; mouthwash bottles; salad dressing and vegetable oil containers	Milk bottles, detergent bottles, grocery bags, freezer bags	Blood bags and tubing, PVC pipes and siding, detergent bottles, shampoo bottles, cooking oil bottles, fruit juice bottles, clear food packaging, medical equipment, cosmetics, toys
HEALTH ISSUES	Not known to contain BPA or phthalates. Not recommended as reusable bottles due to potential bacteria buildup. Also contains antimony, a possible carcinogen.	Not known to contain BPA or phthalates.	Plasticized PVC may contain phthalates, which have been linked in animal studies to reproductive health problems.
		HOW DO YOU KNOW IF IT HAS BPA? Polycarbonate plastic products are coded with the number 7, the word "Other," or the initials "PC" (which	

is specific for polycarbonate). But not all polycarbonates are labeled, because the recycling code system is a voluntary industry system, not federal law. Clear and hard plastics in a variety of colors are likely to be polycarbonate if they have the number 7 on them.

