

Table of Perchlorate Levels in Powdered Infant Formula

CDC's recent study of perchlorate in infant formula, published in *The Journal of Exposure Science and Environmental Epidemiology*, was intended to increase understanding of how infants may be exposed to perchlorate; it did not examine the potential health effects of perchlorate exposure.¹ This study does not change CDC's existing recommendations for healthy feeding practices for either formula-fed or breast milk-fed babies.

The table below contains information on perchlorate levels found in samples of powdered infant formula (PIFs).

How does this information fit in with what else is known about perchlorate and health?

- Most foods used for infant feeding contain trace amounts of perchlorate—as expected, trace amounts of perchlorate were found in infant formula analyzed in this study.
- The trace amounts of perchlorate measured in this study were below those known to cause adverse health effects.
- All infant formulas analyzed contain iodine, which should help offset any potential adverse health effects of perchlorate on the thyroid gland.

The information in this table represents very small numbers of samples and cannot represent entire brands.

- Only three samples of each formula were tested.
- Not all brands of formula were tested. Those included were locally-available representing a range of types of formula—these brands were not chosen based on any perception of high or low perchlorate content.
- These data do not represent perchlorate content of other lots of these brands of formula made at different times or places.
- Data from this study cannot assess whether certain brands of formula have higher or lower levels of perchlorate than other formula brands in the U.S. market.

Perchlorate levels (µg/L) in each sample of formula in the CDC study, stratified by type and brand

Source/Brand	Perchlorate (µg/L)
Cow's Milk with Lactose	
Enfamil Lipil with Iron	3.17
	3.73
	3.45
Kroger Comforts	1.52
	0.90
	1.02
Nestlé Good Start Essentials	0.94
	0.80
	0.68
Publix	1.31
	1.14
	1.37
Similac Advance	3.29
	5.05
	3.47
Cow's Milk without Lactose	
Enfamil Lacto Free Lipil	0.03
	0.11
	0.03
Similac Lactose Free Advance	0.61
	0.44
	0.57
Target	0.85
	0.93
	0.92

Source/Brand	Perchlorate (µg/L)
Elemental	
Nestle Good Start Supreme Easy to Digest	0.14
	0.40
	0.20
Similac Alimentum Advance	0.08
	0.16
	0.22
Soy	
Enfamil ProSobee Lipil	0.34
	0.11
	0.10
Kroger Comforts	0.25
	0.26
	0.24
Nestlé Good Start	0.19
	0.14
	0.44
Publix	0.18
	0.17
	0.30
Similac Isomil Advance	0.22
	0.26
	0.29

¹ JG Schier, AF Wolkin, LValentin-Blasini, MG Belson, SM Kieszak, CS Rubin and BC Blount. Perchlorate exposure from infant formula and comparisons with the perchlorate reference dose. *Journal of Exposure Science and Environmental Epidemiology*, advance online publication, 18 March 2009; doi:10.1038/jes.2009.18