Lead

Lead, a chemical many believe is no longer a problem, is actually one we are frequently exposed to, especially in our water supply. There is no safe level of lead and the effects cannot be reversed.

How can this chemical affect my health?

Acute (Short Term) Effects

- Toxic to Humans & Animals – Can be fatal on contact, ingestion or inhalation for humans and other mammals.

Chronic (Long Term) Effects

- PBT (Persistent Bioaccumulative Toxicant) – Does not break down readily from natural processes, accumulates in organisms concentrating as it moves up the food chain, and is harmful in small quantities.
- Cancer – Can cause or increase the risk of cancer.
- Birth Defects – Can cause harm to the developing child including birth defects, low birth weight and biological or behavioral problems that appear as the child grows.
- Gene Damage – Can cause or increase the rate of mutations, which are changes in genetic material in cells.
- Brain/Nervous System Harm – Can cause damage to the nervous system including the brain.
- Endocrine Disruption – Can interfere with hormone communication between cells which controls metabolism, development, growth, reproduction and behavior (the endocrine system).
- Other Health Effects – Can cause serious damage on contact or ingestion.
- Reproductive Harm – Can disrupt the male or female reproductive systems, changing sexual development, behavior or functions, decreasing fertility, or resulting in loss of the fetus during pregnancy.

Effects detailed above can occur at various stages of the product’s lifetime, not just during usage. All have been included to provide a complete picture of the chemical’s danger.