

## Toxic Substances Portal

# Antimony

**CAS ID#:** 7440-36-0

**Affected Organ Systems:** Cancer, Cardiovascular (Heart and Blood Vessels), Developmental (effects while organs are developing), Gastrointestinal (Stomach and Intestines, part of the digestive system), Hepatic (Liver), Respiratory (From the Nose to the Lungs)

**Cancer Classification:** Please contact [NTP](#), [IARC](#), or [EPA](#) with questions on cancer and cancer classification.

**Chemical Classification:** Inorganic substances

**Summary:** Antimony is a silvery-white metal that is found in the earth's crust. Antimony ores are mined and then mixed with other metals to form antimony alloys or combined with oxygen to form antimony oxide. Little antimony is currently mined in the United States. It is brought into this country from other countries for processing. However, there are companies in the United States that produce antimony as a by-product of smelting lead and other metals. Antimony isn't used alone because it breaks easily, but when mixed into alloys, it is used in lead storage batteries, solder, sheet and pipe metal, bearings, castings, and pewter. Antimony oxide is added to textiles and plastics to prevent them from catching fire. It is also used in paints, ceramics, and fireworks, and as enamels for plastics, metal, and glass.

## Community Members

[National Report on Human Exposure to Environmental Chemicals](#) - Provides an ongoing assessment of the exposure of the U.S. population to environmental chemicals using biomonitoring.

[ToxFAQs](#) - Fact sheet that answers the most frequently asked questions about a contaminant and its health effects.

## Toxicological and Health Professionals

[Priority List of Hazardous Substances](#) - Prioritization of substances based on a combination of their frequency, toxicity, and potential for human exposure at National Priorities List (NPL) sites.

[Minimal Risk Levels \(MRL\)](#) - The MRL is an estimate of the daily human exposure to a hazardous substance that is likely to be without appreciable risk of adverse, non-cancer health effects over a specified duration of exposure. The information in this MRL serves as a screening tool to help public health professionals decide where to look more closely to evaluate possible risk of adverse health effects from human exposure.

[ToxGuide](#) - Quick reference guide providing information such as chemical and physical properties, sources of exposure, routes of exposure, minimal risk levels, children's health, and health effects for a substance.

[Toxicological Profile](#) - Succinctly characterizes the toxicologic and adverse health effects information for a hazardous substance.