

Lindane (C₆H₆Cl₆)

What is Lindane?

Lindane is used as an insecticide on fruit and vegetable crops, for seed treatment, in forestry, and for livestock and pet treatment. Lindane is no longer produced in the US and aerial application of the chemical is prohibited.

Does Lindane have any additional names?

Hexachlorocyclohexane

What are the known health effects?

Some people who drink water containing lindane in excess of the MCL over many years could experience problems with their kidneys or liver.

How does exposure occur?

The routes of potential human exposure to lindane are ingestion, inhalation, and dermal contact. The general population potentially is exposed through foodstuffs contaminated with pesticide residuals.

Dermal exposure occurs when shampoos and lotions containing lindane are used for the treatment of lice and scabies.

Is this contaminant regulated?

Yes, and water supplied to Mount Laurel MUA customers is in compliance with USEPA and NJDEP requirements. The maximum concentration of Combined Lindane permitted in drinking water is .2 ppb; water supplied by the MLTMUA system has not reported any detections of Combined Lindane.

How can I reduce exposure?

Lindane in drinking water can be removed by point of use reverse osmosis filtration.

Additional information regarding Lindane, including the information referenced, can be found at:

<https://www.epa.gov/sites/default/files/2016-09/documents/lindane.pdf>

<https://ohiowatersheds.osu.edu/node/1569>