



Agency for Toxic Substances & Disease Registry

## Tetrachloroethylene (PERC)

CAS ID #: 127-18-4

**Affected Organ Systems:** Developmental (effects during periods when organs are developing) , Neurological (Nervous System), Respiratory (From the Nose to the Lungs)

**Cancer Effects:** Reasonably Anticipated to be Human Carcinogens

**Chemical Classification:** Volatile organic compounds

**Summary:** Tetrachloroethylene is a manufactured chemical that is widely used for dry cleaning of fabrics and for metal-degreasing. It is also used to make other chemicals and is used in some consumer products.

### Community Members



**ToxFAQs™** (</toxfaq/tf.asp?id=264&tid=48>)

Fact sheet that answers the most frequently asked questions about a contaminant and its health effects.

**Public Health Statement** (</phs/phs.asp?id=263&tid=48>)

Summary about a hazardous substance taken from Chapter One of its respective ATSDR Toxicological Profile.

**ATSDR Camp Lejeune Site Information** (<http://www.atsdr.cdc.gov/sites/lejeune/index.html>)

U.S. Marine Corps Base Camp Lejeune, North Carolina was established in 1942. In 1982, the Marine Corps discovered specific volatile organic compounds (VOCs) in the drinking water provided by two of the eight water treatment plants on base.

Water from the Tarawa Terrace Treatment Plant was contaminated by PCE (perchloroethylene or tetrachloroethylene).

### Emergency Responders



**Medical Management Guidelines (MMG) for Acute Chemical Exposure**  
(</mmg/mmg.asp?id=261&tid=48>)

Publication intended to aid emergency department physicians and other emergency healthcare professionals who manage acute exposures resulting from chemical incidents.

### Toxicological and Health Professionals

**Toxicological Profile** (</toxprofiles/tp.asp?id=265&tid=48>)

Succinctly characterizes the toxicologic and adverse health effects information for a hazardous substance.

**Priority List of Hazardous Substances** (</spl/>)

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)** (</mrls/mrllist.asp#48tag>)

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.

**Interaction Profiles** (</interactionprofiles/index.asp>)

Succinctly characterizes the toxicologic and adverse health effects information for mixtures of hazardous substances.

## Medical Education and Training

**Case Study in Environmental Medicine (CSEM)** (<http://www.atsdr.cdc.gov/csem/csem.asp?csem=14&po=0>)

Self-instructional publication designed to increase primary care provider's knowledge of a hazardous substance in the environment and to aid in the evaluation of potentially exposed patients.

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