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Toxicological Profile for Thallium

[CAS# 7440-28-0](#)

July 1992

TOXICOLOGICAL PROFILE INFORMATION:

The ATSDR toxicological profile succinctly characterizes the toxicologic and adverse health effects information for the hazardous substance described here. Each peer-reviewed profile identifies and reviews the key literature that describes a hazardous substance's toxicologic properties. Other pertinent literature is also presented, but is described in less detail than the key studies. The complete list of topics covered (chapter titles) is shown at the left and in more detail further down this page.

The focus of the profile is on health and toxicologic information. Therefore, each profile begins with a [Public Health Statement](#) that summarizes in nontechnical language, a substance's relevant properties.

A useful two page information sheet, the [ToxFAQs TM](#), is also available.

TOXICOLOGICAL PROFILE ACCESS (PDF files):

In order to access the ATSDR toxicological profiles' PDF files below, you must have **Adobe Acrobat Reader** .

You may download that program for free from this link to [Adobe](#) **EXIT ▶** and then use it to access (open) the files below that are labeled as PDF files.

TOXICOLOGICAL PROFILE CONTENTS:

The table of contents and list of individual PDF files are given below. The whole

profile in one large PDF file is here: [PDF File](#) 4.0M

PREFACE [PDF File](#) 500k

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1. PUBLIC HEALTH STATEMENT [PDF File](#) 200k

- 1.1 What is this substance?
- 1.2 What happens to it when it enters the environment?
- 1.3 How might I be exposed to it?
- 1.4 How can it enter and leave my body?
- 1.5 How can it affect my health?
- 1.6 Is there a medical test to determine whether I have been exposed to it?
- 1.7 What recommendations has the federal government made to protect human health?
- 1.8 Where can I get more information?

2. HEALTH EFFECTS [PDF File](#) 1.0M

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- 2.2 Discussion of health effects by route of exposure
- 2.3 Toxicokinetics
- 2.4 Mechanisms of action
- 2.5 Relevance to public health
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- 2.7 Interactions with other substances
- 2.8 Populations that are unusually susceptible
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3. CHEMICAL AND PHYSICAL INFORMATION [PDF File](#) 200k

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- 3.2 Physical and Chemical Properties

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- 4.1 Production

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5. POTENTIAL FOR HUMAN EXPOSURE [PDF File](#) 400k

5.1 Overview

5.2 Releases to the environment

5.3 Environmental fate

5.4 Levels monitored or estimated in the environment

5.5 General population and occupational exposure

5.6 Populations with potentially high exposure

5.7 Adequacy of the database

6. ANALYTICAL METHODS [PDF File](#) 300k

6.1 Biological materials

6.2 Environmental samples

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7. REGULATIONS AND ADVISORIES [PDF File](#) 200k

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APPENDICES [PDF File](#) 300k

A. Minimal risk level worksheets

B. User's guide

C. Acronyms, abbreviations, and symbols

Reference

Agency for Toxic Substances and Disease Registry (ATSDR). 1992. Toxicological profile for thallium. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Disclaimer

All ATSDR toxicological profile PDF files are electronic conversions from paper copy or other electronic ASCII text files. This conversion may have resulted in character translation or format errors. Users are referred to the original paper copy of the toxicological profile for the official text, figures, and tables. Original paper copies can be obtained via the directions on the [toxicological profile home page](#), which also contains other important information about the profiles.

Where can I get more information?

ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

For more information, contact:

Agency for Toxic Substances and Disease Registry
Division of Toxicology
1600 Clifton Road NE, Mailstop E-29
Atlanta, GA 30333
Phone: 1-888-422-8737
FAX: (404)498-0057

ATSDR Information Center / ATSDRIC@cdc.gov / 1-888-422-8737

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