

# **Health & Safety Research and the Internet**

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Sept. 2006

# Overview

- The Internet Challenge
- World Wide Web
  - Sources of information
  - Reliable sites
- E-mail-based discussion groups
- Evaluating what you have found
- Citing internet documents



# The Challenge?

Finding:

- Useful and reliable information that you can trust

... and finding it fast!

# What are you looking for?

- Topic-based information
- Chemical information
- Legislation, legislative interpretation
- Policies, procedures, guidelines
- Research
- Advice, feedback, employment opportunities

# Sources of Information

- Search engines
- Directories
- “Reliable web sites”
- Discussion groups & blogs

# Directories

- Directories
  - Listings by topic, compiled by humans
  - Main access is by browsing topics
  - Some searching possible, but just site names and some have brief descriptions – not content

# Types of Directories

- general purpose directories organized by subject provide access to Internet site
  - **Yahoo!** ([www.dir.yahoo.com/Health/Workplace](http://www.dir.yahoo.com/Health/Workplace))
  - **Open Directory** (dmoz.org)
- H&S-specific directories provide access to sites containing H&S information
  - <http://ccohs.ca/resources/hshome.html>
  - <http://www.ilpi.com/msds/index.html> (where to find MSDSs on the web)



CCOHS Health & Safety Internet Directory - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://ccohs.ca/resources/hshome.html> Go



Canadian Centre for  
Occupational Health and  
Safety

Centre canadien d'hygiène et  
de sécurité au travail





Canadian Centre for Occupational Health and Safety

*Canada's National Occupational  
Health & Safety Resource*

Français
Contact Us
Help

SEARCH
Canada Site

Web Info Service
Products & Services
OSH Answers
Education & Training

Home
About Us
E-News
OSH Events
Resources
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**Internet Directory**

▶ **Web Sites**

[New/ updated](#)  
[By subject](#)  
[By information type](#)  
[In Canada](#)  
[Miscellaneous](#)

▶ [Discussion Groups](#)

## Resources

▶ **The Internet Directory**

To have your site included in our listings, please send your request to [directory@ccohs.ca](mailto:directory@ccohs.ca)



## New Web Sites

[Web Sites added/ updated this month](#)

### Web Sites listed by Subject

<u><a href="#">Biosafety</a></u>	<u><a href="#">Fire</a></u>	<u><a href="#">Regulatory</a></u>
<u><a href="#">Chemicals</a></u>	<u><a href="#">Medical</a></u>	<u><a href="#">Rehabilitation</a></u>
<u><a href="#">Compensation</a></u>	<u><a href="#">Natural Hazards</a></u>	<u><a href="#">Risk Management</a></u>
<u><a href="#">Disability</a></u>	<u><a href="#">Occ. Health</a></u>	<u><a href="#">Safety General</a></u>
<u><a href="#">Disaster</a></u>	<u><a href="#">Occ. Hygiene</a></u>	<u><a href="#">Standards</a></u>
<u><a href="#">Emergency</a></u>	<u><a href="#">Physical Hazards</a></u>	<u><a href="#">Toxicology</a></u>
<u><a href="#">Environment</a></u>	<u><a href="#">Public Health</a></u>	
<u><a href="#">Ergonomics</a></u>	<u><a href="#">Public Safety</a></u>	


Internet



**[Center for Occupational and Environmental Health, University of California](#)** (2003 09)

Information about this research center, its academic programs, continuing education courses, research projects, etc.

**[Centers for Disease Control and Prevention \(USA\)](#)** (1999 05)

The CDC site is extensive, with information on a wide range of health-related topics.

**[Centro Panamericano de Ingeniería Sanitaria y Ciencias del Ambiente \(CEPIS\)](#)** (1999 11)

The Pan American Center for Sanitary Engineering and Environmental Sciences, CEPIS, is the specialized center for environmental technology of the Pan American Health Organization (PAHO), Regional Office for the Americas of the World Health Organization (WHO). CEPIS is based in Lima Peru. Read about the organization's services and publications. Information is provided in Spanish, Portuguese and English.

**[Circadian Information](#)** (2003 09)

"Circadian Information publishes the monthly

**Reliable web sites...**

# http://www.canoshweb.org/en/

CanOSH, Canada's National Occupational Health and Safety Web Site - Microsoft Internet Explorer

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Address <http://www.canoshweb.org/en/> Go

Discussions Resources Search

Français

**CanOSH**

Enabling Canadians to easily and independently locate occupational health and safety information provided by the federal, provincial and territorial governments of Canada and by the Canadian Centre for Occupational Health and Safety (CCOHS).

More about CanOSH

Site developed & maintained by the [Canadian Centre for Occupational Health and Safety \(CCOHS\)](#)

Send comments to: [webmaster@ccohs.ca](mailto:webmaster@ccohs.ca)

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Internet

## Federal

- Health Canada
  - [Home](#)
    - Health Canada's main site provides publications on a series of health-related topics through its [A-Z index](#)
    - The Public Health Agency of Canada provides access to [publications on topics such as emergency preparedness, injury prevention, chronic and communicable diseases, etc.](#)
    - The Environmental & Workplace Health Division provides [publications on a variety of topics such as asbestos and risks to health, dioxans and furans, lead-based paints, etc.](#)
    - The Policy and Workplace Health Strategies Bureau provides publications on [workplace health evaluation, research, best practices, etc.](#)
- Human Resources and Social Development Canada (HRSDC)
  - [Labour Program Home](#)
    - [Occupational Health and Safety: General Information](#)
    - [Publications](#)

<http://www.hc-sc.gc.ca/english/index.html>

Health Canada - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://www.hc-sc.gc.ca/index\\_e.html](http://www.hc-sc.gc.ca/index_e.html) Go

 Health Canada Santé Canada 

<a href="#">Français</a>	<a href="#">Contact us</a>	<a href="#">Help</a>	<a href="#">Search</a>	<a href="#">Canada Site</a>
<a href="#">A-Z Index</a>	<a href="#">Consultations</a>	<a href="#">Media Room</a>	<a href="#">It's Your Health</a>	<a href="#">Home</a>



**About Health Canada**

- [Consumer Product Safety](#)
- [Diseases & Conditions](#)
- [Drugs & Health Products](#)
- [Emergencies & Disasters](#)
- [Environmental & Workplace Health](#)
- [First Nations & Inuit Health](#)
- [Food & Nutrition](#)
- [Health Care System](#)
- [Healthy Living](#)

**September 11, 2006** Search for...  **Current Issues**

**Latest Headlines**

- [World Suicide Prevention Day - September 10, 2006](#)
- [Message from Tony Clement, Minister of Health - International Fetal Alcohol Spectrum Disorder Awareness Day 2006](#)
- [Youth smoking rates continue to decline](#)
- [No new injection sites for addicts until questions answered says Minister Clement](#)

*News Releases*

**Advisories, Warnings and Recalls**

- [Health Canada is advising Canadian farmers about missing dosage information on some Selenium-E veterinary drug packages](#)
- [Health Canada reminds parents of school lunch](#)

 [The Honourable Tony Clement](#)

 [Youth Smoking Survey - 2004-2005](#)

 [Back to School](#)

 [Road Traffic and Air Pollution](#)

 [XVI International](#)

# http://www.influenza.gc.ca/index\_e.html

Pandemic Influenza - Government of Canada - Microsoft Internet Explorer

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Address  http://www.influenza.gc.ca/index\_e.html 

 Government of Canada / Gouvernement du Canada 

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## Pandemic INFLUENZA

**General Information**

- Flu Detection & Surveillance
- Health & Safety
- Planning & Response
- News
- About this site

**Information Hotline**  
1 800 454-8302

**One-stop access to information from Government of Canada departments and agencies on pandemic, avian and seasonal influenza**

**Latest News**

 Government of Canada information on the preparedness and response to a potential Influenza Pandemic

- [Statement: Delayed availability of Influenza Vaccine for the 2006-07 Season](#) (2006-08-23)
- [No Additional Evidence of Avian Influenza Found in P.E.I. Backyard Flock](#) (2006-06-20)
- [Avian Influenza - Latest Information](#) (2006-06-19)
- [Governments Respond to Preliminary Finding of Avian Influenza in Backyard Flock in Prince Edward Island](#) (2006-06-16)
- [Statement: Clarification on statements made about wild bird guidelines](#) (2006-06-02)

[More News >>](#)

**AVIAN INFLUENZA**

**What You Need To Know**

**Travel Health Advisories**



Internet



[http://www.hc-sc.gc.ca/dc-ma/wnv-vno/index\\_e.html](http://www.hc-sc.gc.ca/dc-ma/wnv-vno/index_e.html)

West Nile Virus - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://www.hc-sc.gc.ca/dc-ma/wnv-vno/index\\_e.html](http://www.hc-sc.gc.ca/dc-ma/wnv-vno/index_e.html) Go

Health Canada Santé Canada

Canada

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Health Canada **Diseases & Conditions**

Home > [Diseases & Conditions](#) > [West Nile Virus](#) Diseases and Conditions

## West Nile Virus

West Nile virus is a virus mainly transmitted to people through the bite of an infected mosquito.

Mosquitoes transmit the virus after becoming infected by feeding on the blood of birds which carry the virus.

Most people infected with the virus have no symptoms or they have flu-like symptoms. Sometimes though, the virus can cause severe illness, resulting in hospitalization and even death so it is important to know the symptoms of illness related to infection and how to minimize your risk, especially if virus activity is reported in an area near you.



West Nile virus Web site

Avian Influenza  
Cancer  
Diabetes  
Heart & Stroke  
Hepatitis  
HIV & AIDS  
Influenza (Flu)  
Mental & Behavioural  
SARS  
Sexually Transmitted

[http://www.hc-sc.gc.ca/dc-ma/index\\_e.html](http://www.hc-sc.gc.ca/dc-ma/index_e.html) Internet



# http://www.phac-aspc.gc.ca/

Public Health Agency of Canada (PHAC)/Agence de santé publique du Canada (ASPC) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address  http://www.phac-aspc.gc.ca/   

 Public Health Agency of Canada Agence de santé publique du Canada



PUBLIC HEALTH AGENCY  
*of* CANADA  
AGENCE DE SANTÉ PUBLIQUE  
*du* CANADA

**English** **Français**

 Canada

[Important Notices](#) [Avis importants](#)

   Internet

<http://www.hc-sc.gc.ca/english/diseases/index.html>

Health Canada - Diseases & Conditions - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.hc-sc.gc.ca/english/diseases/index.html> Go

[West Nile Virus](#)  
[Other Diseases](#)

**Health Protection**

**Media Room**

**Ministers**

Immunization in Canada Conference  
Science Programmes Collaboration  
December 5-8, 2004  
Montreal, Quebec

## Surveillance

The Public Health Agency of Canada ensures disease surveillance through the following programs:

- [Canadian Integrated Public Health Surveillance](#)
- [Canadian Perinatal Surveillance System](#)
- [Disease Surveillance Online](#)
- [Influenza Surveillance \(FluWatch\)](#)
- [Network for Health Surveillance in Canada](#)
- [Travel Medicine Program](#)
- [West Nile Virus Surveillance](#)
- [...more Surveillance](#)

## Publications & Resources

Internet




**Disease Surveillance**  
**On-Line**

**Surveillance des maladies**  
**en direct**

3	9	12	14
6	1	3	9
54	92	85	99

- |                                |  |   |
|--------------------------------|--|---|
| <b>Cancer</b>                  |  | <b>Cancer</b>                             |
| <b>Cardiovascular Diseases</b> |  | <b>Maladies cardio-vasculaires</b>        |
| <b>Major Chronic Diseases</b>  |  | <b>Maladies chroniques majeures</b>       |
| <b>Notifiable Diseases</b>     |  | <b>Maladies à déclaration obligatoire</b> |
| <b>Injury Surveillance</b>     |  | <b>Surveillance des blessures</b>         |

<http://www.canadian-health-network.ca/>

The Canadian Health Network - healthy living and health promotion information you can trust - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.canadian-health-network.ca/servlet/ContentServer?cid=1038611684536&pagename=CHN-RCS/Page/HomePageTemplat> Go

 **Public Health**  
Agency of Canada

**Agence de santé**  
publique du Canada

**Canadian Health Network** Health info for every body

Brought to you by the Public Health Agency of Canada and major health organizations across the country.

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September 11, 2006 **Search**  

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- [Women](#)
- [Men](#)

**Topics**

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- [Complementary and Alternative Health](#)
- [Environment and Health](#)
- [Health Promotion](#)
- [Health System](#)
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**This month...**

**When snoring is no joke**

 Thousands of Canadians have sleep apnea and don't know it... [\[Read more\]](#)

**When a child has HIV: one parent's story**

 Each age has its own issues... [\[Read more\]](#)

**SUBSCRIBE TO OUR Healthlink NEWSLETTER**

**Healthy bytes** 

**Acne alert—it's not just for teens**

 If you're an adult and find your skin is breaking out, you're not alone... [\[Read more\]](#)

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Public Health  
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What can you expect to find at  
the Canadian Health Network?

# Canadian Health Network

Health info for every body

Brought to you by the Public Health Agency of Canada and major health organizations across the country.

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▶ [Home](#) ▶ Workplace Health

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## Workplace Health



Work can greatly affect our health and well-being. In this section, you can find information to help you:

- Work safely,
- Manage stress,
- Prevent injuries,
- Balance work and family,
- Promote workplace wellness
- And much more...



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NEWSLETTER

See also sections on [Injury Prevention](#),  
[Environment and Health](#), and [Mental Health](#)





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## PUBLIC HEALTH AGENCY of CANADA

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### Guidelines

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- [HIV/AIDS](#)
- [Infection Control](#)
- [Laboratory](#)
- [Sexually Transmitted Infections \(STI\)](#)
- [Travel Health/Quarantine](#)
- [Tuberculosis \(TB\)](#)
- [Vaccines and Vaccine-Preventable Diseases](#)
- [Publication Notes](#)

[Information on SARS for Health Professionals](#)

Guidelines - Public Health Agency of Canada - Microsoft Internet Explorer

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Address  http://www.phac-aspc.gc.ca/dpg\_e.html#lab  Go

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## Laboratory

- ▶ [Canadian External Quality Assessment - Advisory Group on \*\*Antibiotic Resistance\*\* \(CEQA-AGAR\) \(1999\)](#)
- ▶ [Laboratory \*\*Biosafety\*\* Guidelines - 3rd Edition \(2004\)](#)
- ▶ [Laboratory \*\*Biosafety\*\* Guidelines \(1996\)](#)
- ▶ [Material Safety Data Sheets \(MSDS\) \(1997\)](#)
- ▶ [Measles Surveillance: Guidelines for Laboratory Support \(1999\) \(\\*\)](#)
- ▶ [Guidelines for Biomedical Facilities using \*\*Sheep\*\* as Research Animals \(2000\)](#)

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## Sexually Transmitted Infections (STI)

- ▶ [Early release of the Syphilis chapter from the revised \*\*Canadian Sexually Transmitted Infections Guidelines\*\* \(October 2005\)](#)
- ▶ [Lymphogranuloma venereum \(LGV\) in Canada: Recommendations for Diagnosis and Treatment and](#)

 Internet



<http://www.phac-aspc.gc.ca/msds-ftss/index.html>

Index to Material Safety Data Sheets (MSDS) for Infectious Substances - Public Health Agency of - Microsoft Internet Expl...

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Address <http://www.phac-aspc.gc.ca/msds-ftss/index.html> Go

Public Health Agency of Canada Agence de santé publique du Canada

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**PUBLIC HEALTH AGENCY of CANADA**

Home : Emergency Preparedness : Laboratory Security : Material Safety Data Sheets - Infectious Substances

**Office of Laboratory Security**

**MSDS**

**Material Safety Data Sheets (MSDS)**, regulated under Workplace Hazardous Materials Information System (WHMIS) legislation, for chemical products have been available to workers for many years. However because many laboratory workers, whether in research, public health, teaching, etc., are exposed to not only chemicals but infectious substances as well, there was a large gap in the readily available safety literature for employees. These MSDS are produced for personnel working in the life sciences as quick safety reference material relating to infectious micro-organisms.

The MSDS are organized to contain health hazard information such as infectious dose, viability (including decontamination), medical information, laboratory hazard, recommended precautions, handling information and spill procedures. The intent of these documents is to provide a safety resource for laboratory personnel working with these infectious substances. Because these workers are usually working in a scientific setting and are potentially exposed to much higher concentrations of these human pathogens than the general public, the terminology in these MSDS is technical and detailed, containing

Internet





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Office of  
Laboratory  
Security

MSDS

Home : Material Safety Data Sheets - Infectious Substances :

## MATERIAL SAFETY DATA SHEET - INFECTIOUS SUBSTANCES

### SECTION I - INFECTIOUS AGENT

**NAME:** *Hepatitis C virus*

**SYNONYM OR CROSS REFERENCE:** Parenterally transmitted non-A, non-B hepatitis, Non-B transfusion-associated hepatitis, Post-transfusion non-A, non-B hepatitis (PT-NANB), HCV

**CHARACTERISTICS:** Single stranded, small, positive sense RNA, enveloped, 50 nm diameter, *Flaviviridae*

### SECTION II - HEALTH HAZARD

**PATHOGENICITY:** Onset is insidious, with anorexia, vague abdominal discomfort, nausea and vomiting, progressing to jaundice (less frequently than hepatitis B); severity ranges from unapparent cases in approximately 90% of infections to rare fulminating, fatal cases; chronic liver disease with fluctuating or persistently elevated liver enzymes is common, occurring after 50%-80% of HCV infections in adults; of those with chronic liver disease, 30%-60% may

**Flu and Pandemic Planning - Microsoft Internet Explorer**

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Address [http://www.wsib.on.ca/wsib/wsibsite.nsf/Public/flu\\_resources](http://www.wsib.on.ca/wsib/wsibsite.nsf/Public/flu_resources) Go

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**WSIB** Workplace Safety & Insurance Board  
ONTARIO

News | Prevention | Employers | Workers | Health Professionals | Partners | Forms | Reference | Research | Policy

Health and Safety Services and Information

*tips*

**Our Vision**  
The elimination of all workplace injuries and illnesses

**Learn about the Flu and Pandemic Planning**

**What is the Flu?**  
The flu is the fever, muscle aches, sore throat, coughing and weakness that happen when a member of the influenza family of viruses moves into your body. The very young, those with chronic illness and the elderly can become more seriously ill.

Preventing the spread of infectious illness at all times is important to your workplace. Each year, an average of 25 per cent of the Canadian population is bedridden for a week with the flu.

**Learn about Pandemic Flu**  
Pandemic flu is not your average flu - it's an outbreak of highly infectious illness on a large scale. It can occur when a new flu virus causes serious human illness and spreads easily from person to person. Currently there is no pandemic flu.

Historically, there have been several outbreaks of pandemic flu within each

Internet

# http://www.iwh.on.ca

Institute for Work & Health (IWH), Toronto, Ontario, Canada - Microsoft Internet Explorer

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Address <http://www.iwh.on.ca/> Go



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FOR WORK & HEALTH  
INSTITUT DE RECHERCHE  
SUR LE TRAVAIL ET  
LA SANTÉ


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**Research  
Excellence  
Advancing  
Employee  
Health**

## Welcome to the Institute for Work & Health



### Who are we?

We are an independent, not-for-profit research organization whose mission is to conduct and share research with workers, labour, employers, clinicians and policy-makers to promote, protect and improve the health of working people.

### What do we do?

Since 1990, we have been providing research and producing evidence-based products to inform and

[Our Privacy Commitment](#)

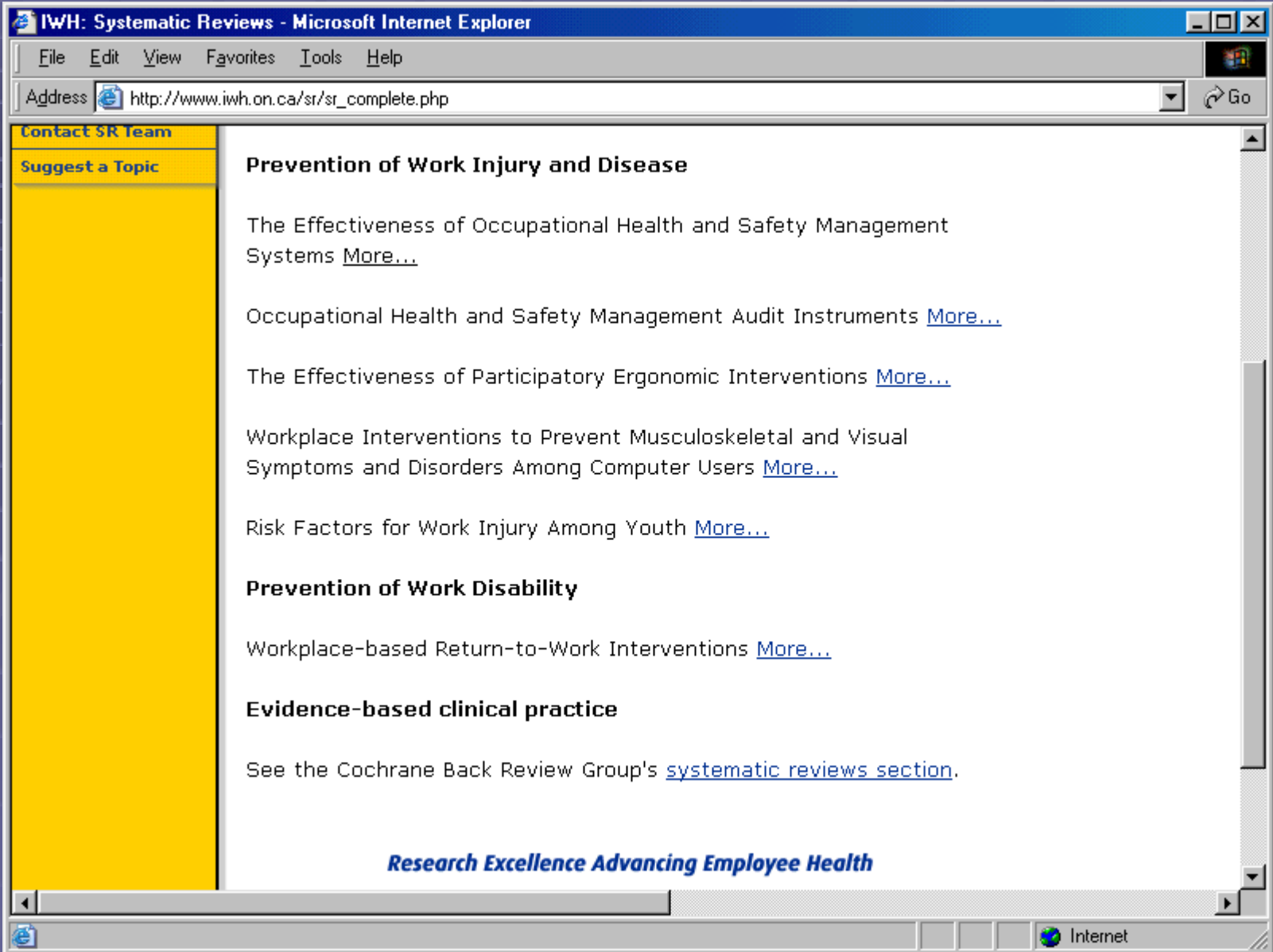
**Systematic Reviews**  
Redesigned navigation

**Read the latest:**

**NEW!**  
**atwork**  
Scientist-worker alliance to study work injury

**LINKAGES**  
**In this issue:** Which came first-the depression or the pain?  
**Recent updates:**

Internet



Contact SR Team

Suggest a Topic

### Prevention of Work Injury and Disease

The Effectiveness of Occupational Health and Safety Management Systems [More...](#)

Occupational Health and Safety Management Audit Instruments [More...](#)

The Effectiveness of Participatory Ergonomic Interventions [More...](#)

Workplace Interventions to Prevent Musculoskeletal and Visual Symptoms and Disorders Among Computer Users [More...](#)

Risk Factors for Work Injury Among Youth [More...](#)

### Prevention of Work Disability

Workplace-based Return-to-Work Interventions [More...](#)

### Evidence-based clinical practice

See the Cochrane Back Review Group's [systematic reviews section](#).

*Research Excellence Advancing Employee Health*



<http://www.irsst.qc.ca/en/find-a-publication.html>

Publications and tools - Find a publication - Microsoft Internet Explorer

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Address <http://www.irsst.qc.ca/en/find-a-publication.html> Go

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Institut de recherche Robert-Sauvé en santé et en sécurité du travail

irsst

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Find a publication Miscellaneous tools New Publications Our newsletters

## Find a publication

Our publications directory has two search methods:

 **KEYWORDS**

GO

 **RESEARCH FIELDS**



(To obtain the list of all publications related to a field)

- Accidents
- Chemical substances and biological agents
- Musculoskeletal

Done Internet

Accueil - Microsoft Internet Explorer

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Address  http://www.irsst.qc.ca/en/home.html 

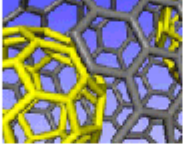
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*Prévention au travail Magazine*





## What's new?



**Available in English for the first time:**

**Two literature review on nanotechnologies**

Nanotechnologies are considered as  the subject of the next industrial revolution. Research in this area is growing strongly and all industrialized countries see in it possible developments and applications in many fields as well as potential vast economic impacts. But what

Done  Internet

<http://www.caw.ca/whatwedo/health&safety/index.asp>

CAW TCA CANADA

Canadian Auto Workers Union

Fighting back makes a difference

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### What we do

↳ Health, Safety & Environment [> Detailed Search](#)

#### Health, Safety & Environment

Local union discussion leaders and national representatives conduct training programs on health and safety. The department fights for better laws and information on substances found in the workplace. This office also helps local unions set up programs to eliminate hazardous conditions in the workplace. The department publishes the Health and Safety & Environment Newsletter. The Health, Safety & Environment Department can be reached at: [cawhse@caw.ca](mailto:cawhse@caw.ca)

*A number of documents in the Health, Safety and Environment part of the CAW Web site are in PDF format. They will be labelled for easy recognition. To download these documents, click on the title. Please note that to read PDF documents you will need a copy of [Adobe Acrobat Reader](#) (freeware) installed on your computer.*

#### Events and Notices

- [Day of Mourning, 2006](#) (PDF)

Aboriginal/Workers of Colour

Bargaining

Calendar of Events

CAW Policies and Papers

Communications

Education

Health Care

Health, Safety & Environment

Human Rights

International Solidarity

Pensions & Benefits

Pride

Research

Retired Workers

Service to Local

Take ACTION Now!

No Free Trade with Korea >>

Dear Mr. Harper, a deal is... >>

Register for CAW News

Who we are

What we do

Joining the CAW

News

Campaigns & Issues

Visual & Print Library

Family Education Centre

Labour Links



<http://www.cdc.gov/az.do>

The screenshot shows a Microsoft Internet Explorer browser window displaying the CDC website's A-Z Index page. The browser's address bar shows the URL <http://www.cdc.gov/az.do>. The page header includes the CDC logo, the text "Department of Health and Human Services Centers for Disease Control and Prevention", and a search bar with a "GO" button. The main content area is titled "A-Z Index" and features a navigation menu with letters A through Z. The letter "A" is currently selected, and a list of topics under "A" is displayed, including "Abrin", "Acinetobacter Infection", "Acquired Immune Deficiency Syndrome (AIDS)", "Active Community Environments Initiative", "Acute Care", "Adenovirus Infection", "ADHD", "Adolescent Health", "Adverse Childhood Experiences", "AFIX Immunization Strategy", and "African Trypanosomiasis". On the right side of the page, there are links for "E-mail this page" and "Printer-friendly version". The browser's status bar at the bottom shows "Internet".

CDC - Site Index A - Z - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.cdc.gov/az.do> Go

Home | [About CDC](#) | [Press Room](#) | [A-Z Index](#) | [Contact Us](#)

Department of Health and Human Services  
Centers for Disease Control and Prevention

[CDC en Español](#)

Search:

## A-Z Index

See all Topics alphabetically:

> [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#)  
[X](#) [Y](#) [Z](#)

**A** [back to top](#)

- > [Abrin](#)
- > [Acinetobacter Infection](#)
- > [Acinetobacter Infection](#)
- > [Acquired Immune Deficiency Syndrome \(AIDS\)](#)
- > [Active Community Environments Initiative](#)
- > [Acute Care](#)
- > [Adenovirus Infection](#)
- > [ADHD](#)
- > [Adolescent Health](#)
- > [Adverse Childhood Experiences](#)
- > [AFIX Immunization Strategy](#)
- > [African Trypanosomiasis](#)

[E-mail this page](#)

[Printer-friendly version](#)

Internet



# http://www.pandemicflu.gov/

PandemicFlu.gov - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.pandemicflu.gov/> Go

## PandemicFlu.gov AvianFlu.gov

*Get Informed. Be Prepared.*

PandemicFlu.gov - AvianFlu.gov  
One-stop access to U.S. Government avian and pandemic information. Managed by the Department of Health and Human Services.

**Pandemic Flu Home**

- General Information
- Where You Live
- Questions & Answers
- Planning & Response
- Monitoring Outbreaks
- Health & Safety
- Tests, Vaccines & Medications
- Bird & Animal Issues
- Global Activities
- Economic Impacts

**Federal Planning** **State & Local Planning** **Individual Planning** **Business Planning** **School Planning** **Health Care Planning** **Community Planning**

### Understanding Flu Terms

[Flu terms defined](#) — Seasonal flu, avian flu, and pandemic flu are not the same.

### News

- Sept 06 — **Satellites Help Scientists Track Migratory Birds: GPS the Latest Tool in Fight Against Avian Influenza** [More >>](#)
- Sept 02 — **Confirmatory Tests Being Conducted on Pennsylvania Wild Bird Samples** [More >>](#)
- Sept 01 — **USDA Updates Avian Influenza Definitions for Low Pathogenic H5N1 vs. Highly Pathogenic H5N1** [More >>](#)
- Sept 01 — **Confirmatory Tests Being Conducted on Maryland Wild Bird Fecal Samples**



**WHO Pandemic Alert**

- Phase 1: very little human-to-human transmission

**Avian Warning**

- Human (WHO)
- Animal Infection

<http://www.pandemicflu.gov/> Internet



# Browse Occupational Safety and Health Topics

- ALL TOPICS
- INDUSTRIES & OCCUPATIONS
- HAZARDS & EXPOSURES
- DISEASES & INJURIES
- CHEMICALS
- SAFETY & PREVENTION
- EMERGENCY PREPAREDNESS & RESPONSE**
- DATA & STATISTICS

## Emergency Preparedness & Response

- > [Bloodborne Infectious Diseases](#)
- > [Coal Mine Rescue](#)
- > [Chemical Agent Information](#)
- > [Emergency Preparedness for Business](#)
- > [Emergency Response Resources](#)
- > [Emergency Responders](#)
- > [Emergency Response and Rescue in Mining](#)
- > [Disaster Site Management](#)
- > [Fire Fighters](#)
- > [Health Care Workers](#)
- > [Natural Disasters](#)
- > [Personal Protective Equipment](#)
- > [Storm and Flood Cleanup](#)
- > [Terrorism Response](#)

### KEY RESOURCES

- > [Hurricane Katrina Response: Storm & Flood Cleanup](#)
- > [NIOSH Pocket Guide to Chemical Hazards](#)
- > NIOSH CBRN Approved Respirators: [SCBA](#) | [APR](#)

### FEATURED NEW PUBLICATIONS



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Occupational Safety and Health*[Search NIOSH](#)[NIOSH Home](#)[NIOSH Topics](#)[Site Index](#)[Databases and Information Resources](#)[NIOSH Products](#)[Contact Us](#)

NIOSH Publication No. 2005-149:

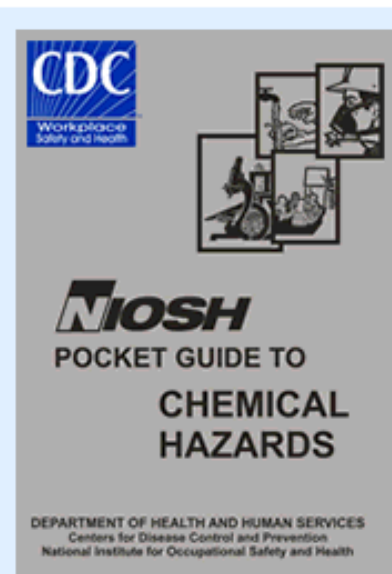
September  
2005

# NIOSH Pocket Guide to Chemical Hazards

The NIOSH Pocket Guide to Chemical Hazards (NPG) is intended as a source of general industrial hygiene information on several hundred chemicals/classes for workers, employers, and occupational health professionals. The NPG does not contain an analysis of all pertinent data, rather it presents key information and data in abbreviated or tabular form for chemicals or substance groupings (e.g. cyanides, fluorides, manganese compounds) that are found in the work environment. The information found in the NPG should help users recognize and control occupational chemical hazards.

## Contents

- [Introduction](#)
- [Search the Pocket Guide](#)
- [Index of Chemical Names, Synonyms and Trade Names](#)



Search Pocket Guide

# http://www.osha.gov/SLTC/index.html

OSHA Safety and Health Topics - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.osha.gov/SLTC/index.html> Go

## U.S. Department of Labor

### Occupational Safety & Health Administration



[www.osha.gov](http://www.osha.gov)

MyOSHA Search  GO [Advanced Search](#) | [A-Z Index](#)

September 11, 2006 Site Index: [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

**Safety and Health Topics**

Safety and Health Topics Pages provide access to selected occupational safety and health information. The subjects of these pages include specific workplace hazards, as well as individual industries.

- Quick Links -

**Topics Pages Index**

Go

[\[Text Version\]](#)

**Search Topics Pages**

Search

**Find It! in DOL**  
Department of Labor

**Compliance Assistance**



- [eTools](#)
- [Grants](#)
- [Hispanic Employer/Wo](#)
- [Posters](#)
- [QuickCards](#)
- [Quick Start](#)
- [Recordkeeping](#)
- [Small Business](#)
- [Training](#)

Training Resources

<http://www.osha.gov/dcsp/ote/index.html> Internet


**Hazards Associated with All-Terrain Vehicles (ATVs) in the Workplace - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Address  http://www.osha.gov/dts/shib/shib080306.html 


### ***Personal Protective Equipment***

Personal protective equipment is strongly recommended when operating ATVs. The potential rollover hazards require the use of a DOT-approved helmet. According to a study of recreational ATV-related deaths in West Virginia, 65 percent of the deaths resulted from head and neck injuries. Of these fatalities, three-quarters of the ATV users were not wearing a helmet at the time of the incident [1]. CSPC indicates that 25 percent of those who died from head injuries sustained in recreational ATV accidents would have lived if they had been wearing a proper helmet [5]. In addition to helmets, appropriate boots, gloves, and goggles should also be worn.



### ***ATV Maintenance***

Like any piece of workplace machinery, ATVs must have regular maintenance. Poor ATV maintenance contributes to serious accidents and fatalities [2]. Along with a regular maintenance schedule, employers and drivers need to ensure the completion of a pre-ride inspection. Tire condition, braking, steering, and suspension systems are all critical to safe operation.

Done  Internet





Occupational Safety & Health Administration

www.osha.gov

Search  GO [Advanced Search](#) | [A-Z Index](#)

Return to Safety and Health Topic Pages



Hospital eTool

- ▶ Scope
- ▶ Site Map
- ▶ User Guide
- ▶ Expert Systems
  - Fire Safety
  - LOTO

# Hospital eTool

Click on the area for more specific information.



<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Entrez PubMed - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi> Go

NCBI

PubMed  
www.pubmed.gov

A service of the National Library of Medicine  
and the National Institutes of Health

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Search PubMed for [ ] Go Clear

Limits Preview/Index History Clipboard Details

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- Search terms may be [topics](#), [authors](#) or [journals](#).

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Read the [My NCBI Help](#) material to explore other options, such as automated updates of other databases, setting search filters, and highlighting search terms.


PubMed is a service of the [U.S. National Library of Medicine](#) that includes over 16 million citations from MEDLINE and other life science journals for biomedical articles back to the 1950s. PubMed includes links to full text articles and other related resources.

Done Internet

TOXNET - Microsoft Internet Explorer

File Edit View Favorites Tools Help


Address <http://toxnet.nlm.nih.gov/> Go



United States  
National Library  
of Medicine

# TOXNET

Toxicology Data Network



[TOXNET PDA Access](#) | [Contact Us](#) | [SIS Home](#) | [About Us](#) | [Site Map & Search](#)

▶ [Env. Health & Toxicology](#) ▶ [TOXNET](#)

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.


### Select Database

- [• ChemIDplus](#) ?
- [• HSDB](#) ?
- [• TOXLINE](#) ?
- [• CCRIS](#) ?
- [• DART](#) ?
- [• GENETOX](#) ?
- [• IRIS](#) ?
- [• ITER](#) ?
- [• LactMed](#) ?
- [• Multi-Database](#) ?
- [• TRI](#) ?
- [• Haz-Map](#) ?
- [• Household Products](#) ?

### Search All Databases

Enter term(s) to search all databases.

### Env. Health & Toxicology



**Portal to  
environmental  
health and  
toxicology  
resources**

[VISIT SITE](#)

### Support Pages

- ▶ [Help](#)
- ▶ [TOXNET FAQ](#)
- ▶ [TOXNET Update Status](#)
- ▶ [Fact Sheet](#)
- ▶ [Database Description](#)
- ▶ [Training Manuals](#)

### TOXNET Search Options

- Search all databases: Enter term(s) in box above
- Search a specific database: Click database at left



<http://hazmap.nlm.nih.gov/>

Haz-Map: Occupational Exposure to Hazardous Agents - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address  <http://hazmap.nlm.nih.gov/> 



**Haz-Map**  
*Occupational Exposure to Hazardous Agents*

---

Search  **as**  Agent  Disease  Job  Text Search

[Haz-Map Search](#) [More Searches](#) [Haz-Map Help](#) [Glossary](#) [References](#)

### Browse Haz-Map

- **Hazardous Agents**
  1. [By Types of Agents](#)
  2. [By Adverse Effects](#)
  3. [Alphabetically](#)
- **Occupational Diseases**
  1. [By Types of Diseases](#)
  2. [By \*\*Jobs\*\* and \*\*Symptoms\*\*](#)
  3. [Alphabetically](#)

Done  Internet

Search  as  Agent  Disease  Job  Text Search

**Browse Haz-Map** [Search TOXNET](#)

<b>Disease/Syndrome</b>	Bladder cancer
<b>Category</b>	Cancer, Occupational
<b>Acute/Chronic</b>	Chronic
<b>Synonyms</b>	Bladder Neoplasms; Bladder cancer; Cancer of bladder
<b>Biomedical References</b>	<a href="#">Search PubMed</a>
<b>Comments</b>	A sentinel health event (occupational) associated with rubber and dye workers who were exposed to benzidine, alpha- and beta-naphthylamine, magenta, auramine, 4-aminobiphenyl, and 4-nitrophenyl; [Mullan]
<b>Latency/Incubation</b>	Years
<b>Diagnostic</b>	Biopsy
<b>ICD-9 Code</b>	188
<b>Reference Link</b>	<a href="#">BC Cancer Agency - Bladder Cancer</a>

**Related Information in Haz-Map**

# http://sis.nlm.nih.gov/enviro.html

Environmental Health and Toxicology National Library of Medicine TOXNET - Microsoft Internet Explorer

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Address <http://sis.nlm.nih.gov/enviro.html> Go

 United States  
**National Library of Medicine**  
National Institutes of Health

Search NLM Web Site  
 **Go**

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**Environmental Health and Toxicology**  
SIS Specialized Information Services

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Topics	Especially for	TOXNET®
<ul style="list-style-type: none"><li>▶ Chemicals and Drugs</li><li>▶ Diseases and the Environment</li><li>▶ Environmental Health</li><li>▶ Occupational Safety and Health</li><li>▶ Poisoning</li><li>▶ Risk Assessment and Regulations</li></ul>	<ul style="list-style-type: none"><li>▶ The Public</li><li>▶ Researchers/Scientists</li><li>▶ Health Professionals</li><li>▶ Students/Educators</li><li>▶ Emergency Responders</li></ul>	<p>Collection of databases on hazardous chemicals, toxic releases, and environmental health</p> <p>Search TOXNET for:</p> <input type="text"/> <b>Search</b>

Internet

<http://www.atsdr.cdc.gov/>

ATSDR - Agency for Toxic Substances and Disease Registry / U.S. Dept. of Health and Human Services - Microsoft Internet Explorer

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Address <http://www.atsdr.cdc.gov/> Go

Home | [About ATSDR](#) | [Press Room](#) | [A-Z Index](#) | [Glossary](#) | [Employment](#) | [Contact Us](#)

ATSDR en Español

**ATSDR** Department of Health and Human Services  
Agency for Toxic Substances & Disease Registry

Search:  GO

**Toxic Substances & Health**

[ATSDR Home](#)

[ATSDR en Español](#)

[A-Z Index](#)


[Data Resources](#)


[Education & Training](#)

[Emergency Response](#)

Agency for Toxic Substances and Disease Registry

**IN THE SPOTLIGHT AT ATSDR**

 [Camp Lejeune Community Assistance Panel](#)  
The Camp Lejeune community assistance panel (CAP) will meet on September 26th...[more](#)

 [The Hanford Birth Cohort Study](#) [Hanford Birth Cohort Study Released](#)  
Men living near the

[Email this page](#)

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Quick Links

- > [Toxicological Profiles](#)
- > [ToxFAQs™](#)
- > [ToxFAQs™ CABS](#)
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Internet

## CONTENTS

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Information](#)[Toxicological Profile  
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Information](#)[Production, Import, Use,  
and Disposal](#)[Potential for Human  
Exposure](#)[Analytical Methods](#)[Regulations and Advisories](#)[References](#)[Glossary](#)

May 1994

## Toxicological Profile for Acetone

**CAS#** 67-64-1

### 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.

# http://ergo.human.cornell.edu/


Cornell University Ergonomics Web - Microsoft Internet Explorer

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Address <http://ergo.human.cornell.edu/> Go

## CU Ergo

Cornell University  
Ergonomics Web



Cornell University



**CU Ergo** presents information from research studies and class work by students and faculty in the Cornell Human Factors and Ergonomics Research Group (CHFERG), directed by [Professor Alan Hedge](#), in the Department of Design and Environmental Analysis at Cornell University. CHFERG focuses on ways to enhance usability by improving the ergonomic design of hardware, software, and workplaces, to enhance people's comfort, performance and health in an approach we call **Ergotecture**. We recognize that this is also an important component of the Department's [Ecotecture](#) sustainable design approach.

"I would found an institution where any person can find instruction in any study."  
Ezra Cornell, 1865

CU Ergo News

- [Help our "Ergonomic design features" research](#)

CU Ergo Information

- Computer Workstation Guides
  - [ErgoTips \(self-help workstation](#)



Research & Tools

- [Ergonomic](#)
- [Survey form](#)

Internet

CUergo: Cornell Ergonomics Web Ergonomics Tools - Microsoft Internet Explorer

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
Address  http://ergo.human.cornell.edu/cutools.html 

# CU Ergo

Cornell University Ergonomics Web

## Workplace Ergonomics Tools

- **Handbook**
  - [Handbook of Human Factors and Ergonomics Methods](#)
- **Product Evaluations**
  - [Ergonomic Keyboard and Mouse Platform Systems Evaluation Form](#)
  - [Ergonomic Seating Evaluation Form](#)
  - [Ergonomics Cost-Justification Worksheets](#)
- **Posture Evaluations**
  - [Manual Task Risk Assessment Tool \(ManTRA\) V2.0](#)
  - [Rapid Upper Limb Assessment \(RULA\)](#)
  - [Rapid Entire Body Assessment \(REBA\)](#)
  - [Job Strain Index \(JSI\)](#)
  - [Quick Exposure Checklist \(QEC\)](#)

Done  Internet



# http://www.ergoweb.com/resources/

Ergoweb - Case Studies in Ergonomics - Microsoft Internet Explorer

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Address http://www.ergoweb.com/resources/casestudies/detail.cfm?id=50

» Discussions  
» Intro to Ergonomics  
    • FAQs  
    • Glossary  
    • History  
    • Concepts  
» Case Studies  
» Reference Material

» Newsletter

Sign up for our **FREE** Ergonomics Today™ weekly Newsletter. [\(more info\)](#)

Email Address:

Your name:

**Sign Up!**

Ergoweb@ Case Study - Office Workstations

**Source**  
CTD News, 1995, Consumers Power Intervenes before CTDs Hit, Ergonomics that Work, CTD News.

**Task Prior to Abatement (Description)**  
Workers had to perform regular office work using computers.

**Task Prior to Abatement (Method Which Identified Hazard)**  
Reporting high levels of physical discomfort associated with employee's workstations.

**Ergonomic Risk Factor (Posture)**  
Awkward posture was required to perform the tasks.

Visual discomfort involving glare.

**Ergonomic Solution (Administrative Controls)**

1. A pilot ergonomics program was initiated.
2. Each new employee receives an ergonomic information packet including different exercises to relieve stress and proper posture to perform the tasks.
3. Training programs were initiated.

**Ergobuyer®**  
Search for related products or services on the [Ergobuyer Buyer's Guide](#).

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You'll need to touch it to fall in love with  
CLICK HERE for a FREE 30-day test drive of the new Contour RollerMouse PRO  
PC WORLD WORLD CLASS 2005 Named one of the Best Products of 2005 by PCWorld Magazine

http://63.111.59.172/cdi\_rollermouse/rm\_video/content/ Internet



# http://www.mayoclinic.com/

Symptom Checker - MayoClinic.com - Microsoft Internet Explorer


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Address <http://www.mayoclinic.com/health/symptom-checker/DS00671/SYMPTOM=43EDA02E%2D2A5D%2D9994%2DE23ABCA7AEFAA53A> Go

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SEARCH

**DISEASES AND CONDITIONS**

Sep 11, 2006

## Shoulder pain

Find possible causes of shoulder pain based on specific factors. Check **one or more** factors on this page that apply to your symptom.

**Pain is:**

Dull or stiff  Sudden and severe

**Triggered by:**

Everyday activities  Overuse

**When to seek medical advice**

Seek medical care if:

- Your shoulders appear uneven or you can't raise the affected arm
- You have extreme tenderness at the end of your collarbone
- An injury causes you to

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Internet




# http://www.ilo.org/encyclopedia/

The screenshot shows a Microsoft Internet Explorer browser window displaying the ILO Encyclopaedia of Occupational Health and Safety website. The browser's address bar shows the URL <http://www.ilo.org/encyclopedia/>. The page features a dark red header with the ILO logo on the left, the text "SafeWork Bookshelf" in large yellow letters, and "SafeWork" and "ICSC" logos on the right. Below the header is a search bar containing the text "list of diseases" and a dropdown menu set to "Encyclopaedia". There are "Find" and "Adv. Search" buttons. The main content area has a large dark red banner with the ILO logo and the text "ENCYCLOPAEDIA OF OCCUPATIONAL HEALTH AND SAFETY Fourth Edition". Below this banner, there is a section titled "VOLUME I" and two blue links: "Preface to the Fourth Edition" and "Prefaces to previous editions". The browser's taskbar at the bottom shows several open applications, including Outlook, a file named "5.0 (ENG)", "virtuelle d...", and "Dreamweav...", along with the Internet Explorer icon.


Encyclopaedia of Occupational Health and Safety - Microsoft Internet Explorer


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Address <http://www.ilo.org/encyclopedia/> Go

 **SafeWork Bookshelf**  

Search:  in    ?



 **ENCYCLOPAEDIA  
OF OCCUPATIONAL HEALTH AND SAFETY  
Fourth Edition**

**VOLUME I**

[Preface to the Fourth Edition](#)

[Prefaces to previous editions](#)

Microsoft Outlook 5.0 (ENG) virtuelle d... Dreamweav... Internet

# http://www.who.int/en/

WHO | World Health Organization - Microsoft Internet Explorer

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Address <http://www.who.int/en/> Go

عربي | 中文 | English | Français | Русский | Español

 World Health Organization

Search

**Home** 11 September 2006

**About WHO**

**Countries**

**Health topics**

**Publications**

**Research tools**

**WHO sites**

**WHO Director-General: proposals**  
[Official list](#) | [Note for the media](#)



Polio immunization of a nomadic child in Ethiopia

**Millions of children to be vaccinated in largest-ever, multi-country campaign in the Horn of Africa**

8 September 2006 -- More than 3.5 million children will be immunized against polio along the borders of Ethiopia, Somalia, Kenya and Djibouti. The activity, to be carried out from 9 to 14 September 2006, is the largest-ever, cross-border immunization campaign in the region, and is part of urgent efforts to stop an ongoing polio outbreak.  
[News release](#) | [More on polio](#)

**World Suicide Prevention Day: 10 September**  
9 September 2006 -- Every year, nearly 900,000 deaths worldwide are

**Interactive feature**  
[WHO: who we are, what we do](#)  
[Requires [Flash player](#)]

**Online Q&A**  
[How can suicide be prevented?](#)



**AVIAN INFLUENZA**  
[Full coverage](#)

**DISEASE OUTBREAKS**

**Avian influenza**  
Situation in Indonesia — update 30  
[Full text](#)

**Poliomyelitis**  
Ethiopia and Somalia  
[Full text](#)

[Disease outbreak news](#)

**EMERGENCIES**

**Middle East crisis**  
[More information](#)

[Health action in crises](#)

**GENERAL WHO INFORMATION**

Internet

World Health  
Organization

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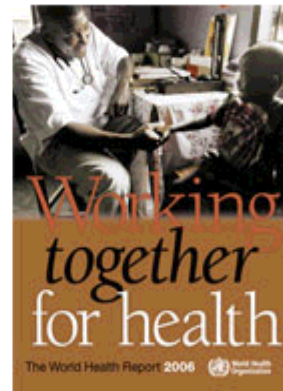
 Search All WHO  This site only[Home](#)[About WHO](#)[Countries](#)[Health topics](#)[Publications](#)[Research tools](#)[WHO sites](#)[The world health  
report](#)[Current report](#)[Previous reports](#)[Press kit](#)

## The world health report

[WHO](#) > [WHO sites](#) > [World health report](#)

### The world health report 2006 - working together for health

*The World Health Report 2006 - Working together for health* contains an expert assessment of the current crisis in the global health workforce and ambitious proposals to tackle it over the next ten years, starting immediately. The report reveals an estimated shortage of almost 4.3 million doctors, midwives, nurses and support workers worldwide. The shortage is most severe in the poorest countries, especially in sub-Saharan Africa, where health workers are most needed. Focusing on all stages of the health workers' career lifespan from entry to health training, to job recruitment through to retirement, the report lays out a ten-year action plan in which countries can build their health workforces, with the support of global partners.



#### REPORT BY CHAPTER

- [Overview](#)
- [Chapter 1: Health workers: a global profile](#)
- [Chapter 2: Responding to urgent health needs](#)

THE WORLD HEALTH  
REPORT 2006[Available in English  
and French](#)[World health report  
2006 Press kit  
Press materials](#)[Presentation \[pdf 538kb\]](#)[World health report  
2006 statistical  
annex  
Annexes by tables](#)[Contact information](#)  
Additional information  
about the World Health  
Report  
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suggestions on the  
World Health Report  
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# http://www.inchem.org/

IPCS INCHEM - Microsoft Internet Explorer

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Address <http://www.inchem.org/> Go


## IPCS INCHEM

About Search CD-ROM Help

### Chemical Safety Information from Intergovernmental Organizations

IPCS INCHEM is a means of rapid access to internationally peer reviewed information on chemicals commonly used throughout the world, which may also occur as contaminants in the environment and food. It consolidates information from a number of intergovernmental organizations whose goal it is to assist in the sound management of chemicals.

[Concise International Chemical Assessment Documents \(CICADs\) Environmental](#)



[IPCS/CEC Evaluation of Antidotes Series Joint Expert Committee on Food Additives](#)

Internet





<http://www.agius.com/hew/resource/>

Health, Environment & Work - Microsoft Internet Explorer

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Address <http://www.agius.com/hew/index.htm> Go

Home Resources Links FAQ Commentary Search Help



# Health, Environment & Work

Welcome to 'Health, Environment & Work' (HE&W). This site provides many academically based [educational resources](#) (also available as [FAQs](#)), a [search](#) facility, as well as vetted and updated '[links](#)' relating to Occupational and Environmental Health and Medicine.

Main Content Headings:

- [Resources](#) - Educational information or interactive tutorials on Health, Environment & Work.
- [Links](#) - Directory of Sites in Occupational and Environmental Health.
- [Frequently Asked Questions](#) - a reformulation of some of the HE&W resources.


Internet

# http://www.phs.ki.se/occupmed/

Division of Occupational Medicine (Yrkesmedicin) - PHS Karolinska Institutet - Microsoft Internet Explorer

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Address <http://www.phs.ki.se/occupmed/> Go



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Department of Public Health Sciences  
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## Welcome to the division of Occupational Medicine

The Division of Occupational Medicine is associated to the Department of Occupational and Environmental Health, Stockholm County Council. Most of our work is applied aiming to increase the knowledge regarding the association between work and health and how different chemical, ergonomical, physical or psychosocial exposure by themselves or in combination can contribute to health or disease.

Our main areas are research, postgraduate education and education. For the moment we have four research groups:



**Occupational  
Epidemiology  
and Chemical**



**Work Life,  
Psychiatric  
Disorders**

**SHORTCUTS**

Divisions:   
Research groups:   
PHS info:

**NEWS & UPDATES**

- ▶ Claire Anne Eriksen presented her thesis "Sleepiness: Night work, time zones and activity" on June 16.  
[Read more](#)
- ▶ Kim Bao Giang defended the thesis "Assessing health problems" on June 13.  
[Read more](#)
- ▶ Eva MC Jonzon presented her thesis "Child sexual abuse: Disclosure, social support and subjective health in adulthood" on June 9.

Internet

# http://www.tuc.org.uk

Trades Union Congress - Health and Safety - Microsoft Internet Explorer

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Address [http://www.tuc.org.uk/h\\_and\\_s/index.cfm](http://www.tuc.org.uk/h_and_s/index.cfm) Go

**TUC**

- ▶ Email alerts
- ▶ Work rights
- ▶ Publications
- ▶ Unions
- ▶ Events
- ▶ Contact us

**Home > Health and Safety**

**> Health and Safety**

- Asbestos
- Asthma
- Back Strain
- Barefoot research
- Biological Hazards
- Bullying / Violence at Work
- Campaigns
- Compensation
- Construction
- Contractors
- Display screen equipment
- Drugs and alcohol
- Dust
- Electrical safety

## Health and Safety



TUC spells health and safety

It took union campaigns to deliver the comprehensive health and safety legislation that the UK workforce enjoys.

But it takes union know how, resources and campaigns to make workplaces as safe as possible. That's why TUC and unions provide high calibre resources and training for trade union safety reps.

These union reps are the reason union workplaces are safer workplaces. This



**Events** ▶

- [21st Century Hazards](#)
- [SERTUC conference: Worker involvement: safer workplaces](#)

**Links** ▶

The TUC is not responsible for content of external internet sites

- [British Safety Council \(BSC\)](#)
- [Department of Health](#)
- [Hazards](#)

Internet



<http://www.worksafe.wa.gov.au/newsite/worksafe/>

WorkSafe - Work Safe home page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.worksafe.wa.gov.au/newsite/worksafe/default.html> Go

Department of Consumer and Employment Protection  
Government of Western Australia  
**WorkSafe**

DOCEP | Consumer Protection | Energy Safety | Labour Relations

Safety at work Industries Safety topics Initiatives Res

## WorkSafe

With the ever growing and changing nature of employment in Western Australia there has never been a greater need for easy and readily accessible information about occupational health and safety. The information found on this website is designed to answer questions about workplace safety and provide explanations of the laws and regulations in Western Australia. WorkSafe hopes that all members of the Western Australian community, students, employees, and employers, will find the information contained on this website useful and easy to find.

Everyday resources such as forms, applications, workbooks, and directories can also be found on this website along with resources designed specifically for Safety and Health Representatives, teachers, and OSH professionals.

A listing of the most recent additions and changes to this website can be found through [What's new](#). The [Site index](#) and [Site map](#) are also useful features that can aid in the location of information found on this website.

Sma

Safety

Educat & Stud

Repor

Internet

WorkSafe - Overview - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/violindx0001.html> Go

Department of Consumer and Employment Protection  
Government of Western Australia  
**WorkSafe**

DOCEP | Consumer Protection | Energy Safety | Labour Relations

Home Safety at work Industries Safety topics Initiatives Res

Safety topics [Home](#) > [Safety topics](#) > [More safety topics](#) > Bullying & violence

More safety topics

**Bullying & violence**

- Legislation
- FAQs
- Bulletins
- Safety and health alerts
- Education

Alcohol and drugs

Asbestos

Confined spaces

Evacuation

## Bullying and violence

### Information on bullying and violence in the workplace

In WA each year an average of 600 workers compensation claims are lodged for workplace violence and bullying. If unreasonable or inappropriate behaviour exists and such behaviour is identified, there is a high risk of psychological and/or physical harm.

### Frequently asked questions

1. [What is workplace bullying?](#)
2. [Is workplace violence and aggression a work issue or a police issue?](#)
3. [What can employers do to prevent violence and aggression at work?](#)

Done Internet

# http://www.ccohs.ca/

CCOHS: Canada's National Centre for Occupational Health and Safety information - Microsoft Internet Explorer

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Address http://www.ccohs.ca Go

Canadian Centre for Occupational Health and Safety / Centre canadien d'hygiène et de sécurité au travail

Canada

**CCOHS**  
Canadian Centre for Occupational Health and Safety

Canada's National Occupational Health & Safety Resource

CCOHS promotes a safe and healthy working environment by providing information and advice about occupational health and safety.

**Web Info Service**

Online access to CCOHS data collections including [MSDS](#), [CHEMINFO](#), [CLUSTERS](#), [HSE](#), [HST](#), [HST-1](#), [HST-2](#), [HST-3](#), [HST-4](#), [HST-5](#), [HST-6](#), [HST-7](#), [HST-8](#), [HST-9](#), [HST-10](#), [HST-11](#), [HST-12](#), [HST-13](#), [HST-14](#), [HST-15](#), [HST-16](#), [HST-17](#), [HST-18](#), [HST-19](#), [HST-20](#), [HST-21](#), [HST-22](#), [HST-23](#), [HST-24](#), [HST-25](#), [HST-26](#), [HST-27](#), [HST-28](#), [HST-29](#), [HST-30](#), [HST-31](#), [HST-32](#), [HST-33](#), [HST-34](#), [HST-35](#), [HST-36](#), [HST-37](#), [HST-38](#), [HST-39](#), [HST-40](#), [HST-41](#), [HST-42](#), [HST-43](#), [HST-44](#), [HST-45](#), [HST-46](#), [HST-47](#), [HST-48](#), [HST-49](#), [HST-50](#), [HST-51](#), [HST-52](#), [HST-53](#), [HST-54](#), [HST-55](#), [HST-56](#), [HST-57](#), [HST-58](#), [HST-59](#), [HST-60](#), [HST-61](#), [HST-62](#), [HST-63](#), [HST-64](#), [HST-65](#), [HST-66](#), [HST-67](#), [HST-68](#), [HST-69](#), [HST-70](#), [HST-71](#), [HST-72](#), [HST-73](#), [HST-74](#), [HST-75](#), [HST-76](#), [HST-77](#), [HST-78](#), [HST-79](#), [HST-80](#), [HST-81](#), [HST-82](#), [HST-83](#), [HST-84](#), [HST-85](#), [HST-86](#), [HST-87](#), [HST-88](#), [HST-89](#), [HST-90](#), [HST-91](#), [HST-92](#), [HST-93](#), [HST-94](#), [HST-95](#), [HST-96](#), [HST-97](#), [HST-98](#), [HST-99](#), [HST-100](#)

**Products & Services**  
for the working world

**OSH Answers**  
Answering your health & safety questions

**Bringing Health to Work**

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**Headlines** **Archives**

**WHMIS: Understanding MSDSs**  
New e-course from CCOHS demystifies MSDSs

**Titanium Dioxide**  
IARC classifies as possibly carcinogenic to humans

Internet

OSH Answers: Exercises for a Healthy Back - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.ccohs.ca/oshanswers/psychosocial/backexercises.html> Go

Canadian Centre for Occupational Health and Safety / Centre canadien d'hygiène et de sécurité au travail

Canada

**CCOHS**  
Canadian Centre for Occupational Health and Safety  
Canada's National Occupational Health & Safety Resource

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### Exercises for a Healthy Back

- ▶ [How important is exercise in preventing low back injury?](#)
- ▶ [What kinds of exercises are most effective for preventing low back injury?](#)
- ▶ [How do you start an exercise session?](#)
- ▶ [What kinds of exercises are recommended for back extensors?](#)

[OSH Answers](#)

- ▶ [Health Promotion / Wellness / Psychosocial](#)
  - ▶ Exercises for a Healthy Back

### How important is exercise in preventing low back injury?



The key to preventing lower back injury and pain (LBP), whether work-related or not, is physical conditioning. "Getting into shape" involves the overall conditioning of the body and the cardiovascular system. Aerobic exercise plus the exercising of the core muscles (those of the spine and the abdomen that are responsible for stabilizing the spine), are both critical for developing

Internet

# http://ccinfoweb.ccohs.ca/

Web Information Service - Microsoft Internet Explorer

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Address  http://ccinfoweb.ccohs.ca/ 

## Web Info Service

Search:  
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[CHEMpendium](#)  
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## Web Information Service

Use the search box below for **FREE** searching across our Web Collections.

But remember you need an annual subscription to view some of the records that result from this search. Not a subscriber? Please contact [CCOHS Client Services](#).









► Search across all collections:

**SEARCH** **HELP ?** **Subscriber Extras!**

**Examples:** cancer benzene "1,1,1-trichloroethane"  
"indoor air quality" 108-88-3

## Web Collections

► Search individual collection:

 <p><b>MSDS</b> Material Safety Data Sheets from manufacturers and suppliers</p>	 <p><b>MSDS Management Service</b> A custom collection of MSDSs specific to your workplace</p>
 <p><b>CHEMINFO</b> Comprehensive health and safety information on pure chemicals</p>	 <p><b>OSH References</b> OSHLINE, NIOSHTIC, NIOSHTIC-2, HSELINE, CISILO, Canadiana</p>
 <p><b>CHEMpendium™</b> CHEMINFO, CESARS, CHRIS, DSL/NDL, HSDB, NJHS Fact Sheets, NIOSH Pocket Guide.</p>	 <p><b>Canadian enviroOSH Legislation plus Standards</b> National, Regional and plus Standards Editions</p>

Internet

CCOHS OSH References Results: titanium dioxide - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://search.ccinforeweb.ccohs.ca/ccohs/jsp/search/search.jsp?QueryText=titanium+dioxide&MaxDocs=500&ResultStart=1&SortSpec=> Go

titanium dioxide **SEARCH** HELP ? Results per page: 20

Subscriber Extras!

Searched OSH References for **titanium dioxide**: [Help - Search Results](#)

Summary **Marked Records** MSDS CHEMINFO CHEMpendium RTECS **OSH References** Legislation Additional Resources

All Results ▶

OSHLINE

NIOSHTIC

NIOSHTIC-2

CISILO

HSELINE

Canadiana

Results summary from **OSH References**:

303 in All Results | 36 in [OSHLINE](#) | 100 in [NIOSHTIC](#) | 46 in [NIOSHTIC-2](#)  
 | 55 in [CISILO](#) | 58 in [HSELINE](#) | 8 in [Canadiana](#)

Score	Title	Author(s)	Year	Database
0.77	<a href="#">Systemic microvascular dysfunction and inflammation after pulmonary particulate matter exposure</a>	Nurkiewicz, TR; Porter, DV; Barger, M; Millecchia, L; Murali, K; Rao, K; Marvar, PJ; Hubbs, AF; Castranova, V; Boegehold, MA	2006	NIOSHTIC-2
0.84	<a href="#">Titanium dioxide : inhalation toxicology and epidemiology</a>	Hext, P.M.; Tomenson, J.A.; Thompson, P.	2005	OSHLINE
0.77	<a href="#">New observation on the phase transformation of TiO2 nanoparticles produced by a</a>	Kim, C.S.; Nakaso, K.; Xia, B.; Okuyama, K.; Shimada, M.	2005	OSHLINE

Done Internet





# OSHLINE<sup>®</sup> References to current OSH documents

Data source: CCOHS (Canadian Centre for Occupational Health and Safety)

**Record Number:**325830

**Title:**

**Titanium dioxide** : inhalation toxicology and epidemiology

**Author(s):**

Hext, P.M.; Tomenson, J.A.; Thompson, P.

**Source:**

Annals of occupational hygiene. Vol. 49, no. 6 (Aug. 2005). p. 461-472

**Coden:**AOHYA3

**ISSN:** 0003-4878

**Publication Year:**2005

**CIS Descriptor(s):**

**TITANIUM DIOXIDE** // INHALATION // TOXICOLOGY // EPIDEMIOLOGY // LITERATURE SURVEY // UNITED KINGDOM // ANIMAL EXPERIMENTS



# Mailing Lists

- E-mail - based discussion groups
- Uses
  - **Daily Conferencing with Peers**
  - **Problem Solving**
  - **News on Hot Issues**
  - **Announcements of Internet information sources**
  - **Job postings**

# Mailing Lists

- HS-Canada (CCOHS)
  - Safety (University of Vermont)
  - Occ-Env-Med-L (Duke University)
  - GlobalOccHyg-L
- & thousands more to choose from....


# Mailing List Archives


- View all messages that have been sent to a specific list
- Search by subject
- Generally available whether you participate in the list or not

# http://siri.org/

Vermont SIRC Web Site - Microsoft Internet Explorer

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Address  http://siri.org/ 



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Information  
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**Bookmark MSDS sites for increased reliability**  
[SIRI MSDS collection - Primary server](#)  
[SIRI MSDS collection - Backup server](#)

**On-line Presentations:**  
[Using the Internet for Safety Information](#)

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**Where to find other  
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Canadian Centre for Occupational Health and Safety

Centre canadien d'hygiène et de sécurité au travail



Canada's National Occupational Health & Safety Resource

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A

A-NEWS-L

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### OCC-ENV-MED-L

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Send messages to: [occ-env-med-l@listserv.duhc.duke.edu](mailto:occ-env-med-l@listserv.duhc.duke.edu)

Occupational & Environmental medicine represents a growing clinical and public health discipline seeking to evaluate and prevent the diseases and health effects that may be related to exposures at work and from other environments (e.g. pollution). This list provides a moderated forum for announcements dissemination of text files and academic discussion and allows the presentation of clinical vignettes synopses of new regulatory issues and reports of interesting items from publications elsewhere (both the medical and the non-medical journals).

### OCCENVMED

Subscription address: [mailbase@mailbase.ac.uk](mailto:mailbase@mailbase.ac.uk)  
Send messages to: [occenvmed@mailbase.ac.uk](mailto:occenvmed@mailbase.ac.uk)

This list will be of interest to all practitioners of occupational and environmental medicine and occupational health. Its aim is to promote discussion about current issues and to foster a global approach to research and teaching. Occenvmed is a United Kingdom-based list. Nonetheless, membership is encouraged from other European Member States, as well as from other parts of the World.

### OCCHYGPRO

Subscription address: [uib@phoenix-ohc.on.ca](mailto:uib@phoenix-ohc.on.ca)





# Blogs

- Internet journals (weblogs)
- Useful for current awareness
- Information can be editorial/opinion-based on topics of interest to the blog authors
- Be careful to verify information derived from blogs
  - e.g. TCE (trichloroethylene) blog  
(<http://www.tceblog.com/>)

# Professional Concerns

- Reliable  
(is the resource accessible when you need it?)
- Authoritative  
(reasoned, unbiased, verifiable, etc.?)
- Current

# Evaluating Web Information

- Who wrote it?
- Who published it (web site, print publisher)?
- Is there obvious bias?
- Are there referrals to other sources?
- Can the information be verified? (references, contact info., etc.)
- How current is it?

[\(Johns Hopkins University\)](#)

# Evaluating Information from Discussion Groups

- Very dependent on the type of question
- If you ask for advice or people's opinions, treat the responses as such
- If someone makes a statement, verify it independently (e.g. what a specific piece of legislation says, which issue of a journal a particular article appeared in)

# Evaluating Information from Discussion Groups (cont'd)

- Is the author identifiable?
  - Signature file on his/her message – credentials, employment
  - Frequent contributor of good information
- Are statements publicly supported or refuted?

# How to Cite Internet Documents

- Provide sufficient information to identify the document
- e.g. CCOHS. (2005). The MSDS : a Practical Guide to First Aid. [Online]. Available:[http://www.ccohs.ca/products/publications/msds\\_firstaid.html](http://www.ccohs.ca/products/publications/msds_firstaid.html) [2006, Sept. 11]
- [http://tug-libraries.on.ca/internetsearch/cite\\_docs.html](http://tug-libraries.on.ca/internetsearch/cite_docs.html) (TriUniversity Group of Libraries -Guelph, Waterloo & Wilfred Laurier)

# For more information

- <http://www.ccohs.ca/>
- Flora Simpson  
floras@ccohs.ca