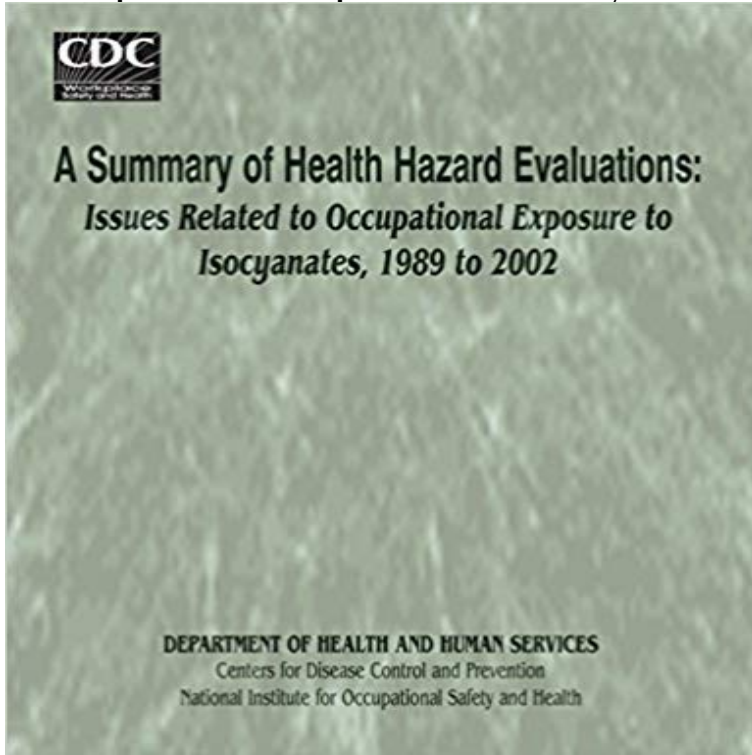


A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 1989 to 2002



The Health Hazard Evaluations and Technical Assistance (HETA) Program responds to requests from employers, employees, employee representatives, and other Federal, State, and local agencies. Through a staff of industrial hygienists, engineers, occupational physicians, epidemiologists, other health professionals, and support personnel, the Hazard Evaluations and Technical Assistance Branch (HETAB) collaborates with appropriate personnel in other divisions of the National Institute for Occupational Safety and Health (NIOSH) to respond to approximately 450 requests for assistance each year. The typical HETA response to a request for assistance results in (1) an evaluation of whether chemical, physical, biological, or other agents are hazardous as used or found in the workplace and (2) the development of recommendations for control procedures, improved work practices, and medical programs to reduce exposure levels and prevent adverse health effects. Health Hazard Evaluation (HHE) site visits are conducted if warranted, and interim and final reports are developed and distributed to employees, unions, management, and relevant Federal and State agencies. When the HETA request is from a Federal, State, or local agency for assistance in investigating another workplace, NIOSH provides only the technical assistance (TA) requested and does not conduct a complete HHE. The results of individual evaluations may trigger wider studies of similar exposures in other settings or may stimulate recommendations for implementation or modification of health standards. Approximately 12,000 evaluations have been completed since the inception of the HETA Program in 1972. Requests received by the HETA Program tend to reflect emerging occupational problems, such as isocyanate exposure and other priority areas. Forty-six isocyanate-related site

visits were conducted from 1989 to 2002. The HHE requests came from a variety of sources including manufacturers of plastic, wood, and automotive products, coal mines, schools, and offices. Sixteen of the requests were made by management, eleven by union, eleven by three or more employees, six by government, and two by management and employees jointly. This document first presents some background information about isocyanate exposures, health effects, analytical methods, and general recommendations that are provided for most isocyanate-related HHEs. The analytical methods section is important because of the complexities and limitations associated with measuring isocyanate exposures. (More detailed information can be gained from the NIOSH Manual of Analytical Methods.) The major portion of this document presents the titles and summaries of the site visits related to isocyanates conducted between 1989 and 2002. In most cases multiple exposures were investigated at the work site; sometimes isocyanate exposures were a primary issue and sometimes not. In many cases, corrective measures were made in response to the evaluation and recommendations made by NIOSH investigators. The purpose of this HHE summary document is to amass the past 14 years of isocyanate-related HHEs in a concise format for easy reference and examination by NIOSH researchers, customers, and partners. Any individual report or letter of interest can easily be requested. The scope and presentation of the individual HHEs vary based on the requesters needs and the project officers professional judgment. The document is not meant to be a state-of-the-art review, but instead, it is intended to provide general insight into the types of isocyanate HHE requests received, and HETABs response to them.

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SWANSEA LEAVING CARE PRACTICAL INFORMATION FOR INDIVIDUALS LEAVING CARE

BAYS LEAVING CARE SERVICE

Opening Hours: Mon, Tues, Thurs 10.00am – 4pm Wed: 1pm – 4pm, and Fri 10.00am – 3.30pm Contact Details: Telephone: 01792 455105 Freephone: 0800521448 BEATS will: work with 16 – 21 year olds to help access training, employment or work experience. help young people access courses, or volunteering opportunities. give practical support with [...]

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BENEFITS BUS STOP

Money Worries – Help with Benefits Have your benefits been stopped or reduced because of a sanction? You are eligible for Income Support if you are: Aged 16 & 17 and a parent of a child for whom you are responsible for; or A single person fostering a child Aged 18+ [...]

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INDEPENDENT LIVING SKILLS

Lots of the topics covered in this website are part of independent living skills and you may be surprised by how much is involved in looking after yourself. You don't have to be completely on your own and if you are finding things difficult you should always have someone to turn to for help. This does not [...]

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USEFUL DOCUMENTS

There are a number of documents that you will need to have as you live more independently. BIRTH CERTIFICATE You need your birth certificate as proof of identity and you will need it to get other documents such as a passport. Social Services may have a copy of your birth certificate that they are [...]

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HEALTH

It is your social worker or young personal advisor's job to make sure you are registered with a doctor (also called GP) and a dentist. It is important not to leave registering with a GP until you need medical help. Keep the contact details for your doctor and out of hours contact number safe. DENTIST [...]

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HOUSING

This is perhaps one of the biggest things you have to sort out as you leave care and this is why there is lots of help and support available for you. The options available in your area may affect your choice of when you want to leave care. Unfortunately quite a large number of care [...]

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EDUCATION

SCHOOL You should already have a designated person in school who is there to help and support you. This could be a teacher or another person in the school. They are responsible for writing your Personal Educational Plan (PEP) and making sure everything happens. Your educational plan should help you to do the best [...]

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SOCIAL SERVICES AND PATHWAY PLAN

While you have been looked after you will have known some people whose job it is to help and support you. All young people in care have a social worker. It is a good idea to keep their details readily available just in case you need to contact them. You may also want to note the [...]

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RIGHTS, ENTITLEMENTS AND ADVOCACY

A right is a something that you can expect to receive. You don't have to earn it or win it. The rights and entitlements listed below are things that the government has committed to provide for you as a care leaver. This might be because there is an Act of Parliament or because they have [...]

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CATEGORIES

BAYS Leaving Care Service

Benefits Bus Stop

Education

Health

Housing

Independent Living Skills

Rights, Entitlements and Advocacy

Social Services and Pathway Plan

Useful Documents

LANGUAGES

en English

Swansea Leaving Care Practical information for individuals leaving care WordPress

[\[PDF\] Inventing Los Alamos: The Growth of an Atomic Community](#)

[\[PDF\] Geology and Ore Deposits Near Lake City, Colorado](#)

[\[PDF\] History and Philosophy of Science and Technology: v. 1](#)

[\[PDF\] Dynamic Modeling of Transport Process Systems](#)

[\[PDF\] Diesel Technology: Engines, Student Guide](#)

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[\[PDF\] Web Design with HTML and CSS Digital Classroom, by AGI Creative Team, Smith, Jennifer, Osborn, Jeremy](#)

[\[Wiley,2011\] \(Paperback\)](#)

PHENYL ISOCYANATE - National Library of Medicine HSDB Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **METHYL ISOTHIOCYANATE - National Library of Medicine HSDB** A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19. Report No. HETA 99-0039, (April 1999). **ISOPHORONE DIISOCYANATE - National Library of Medicine** This guide is intended to provide a generic overview of the standard-related Health effects of isocyanate exposure include irritation of skin and mucous . Worksite evaluations found detectable air concentrations of MDI and .. Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates 19. **Toxicology and Human Environments - Google Books Result** [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **The Health Hazard Evaluation Program at NIOSH: Reviews of Research - Google Books Result** **Cyclohexylisocyanate - National Library of Medicine HSDB Database** Diseases from Work, Home, Outdoor and Other Exposures Susan Tarlo, Paul Cullinan, K., Uitti, J. (2002) Incidence of asthma among Finnish construction workers. for Occupational Safety and Health (2004) A Summary of Health Hazard Evaluations: Issues Related to occupational Exposure to Isocyanates, 1989-2002. **Isocyanates: OSHwiki** A summary of health hazard evaluations: issues related to occupational exposure to isocyanates, 19. Department of Health and Human Services, **A Guide to Occupational Exposure to Isocyanates - NC Department** A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 by Department of Health and Human Services **Occupational and Environmental Lung Diseases: Diseases from Work, - Google Books Result** A summary of health hazard evaluations: Issues related to occupational exposure to isocyanates, 19. Centers for Disease Control and Prevention. **Toxicology: Isocyanates Profile:**

Autorefinishing Industry ANIMAL STUDIES: The toxic effects of repeated inhalation exposures to phenyl [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **Safety and Health Topics Isocyanates - Possible Solutions - OSHA** Find great deals for A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 by National Institute Fo **Issues Related to Occupational Exposure to Isocyanates, 1989 to 2002** [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **Respiratory Diseases Research at NIOSH: Reviews of Research - Google Books Result** Overview Issues Related to Occupational Exposure to Isocyanates, 1989 to 2002. NIOSH Publication No. 2004-116 (2004) Collects the past 14 years of isocyanate-related Health Hazard Evaluations in a concise format for **3,4-DICHLOROPHENYL ISOCYANATE - National Library of** [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **CDC - Isocyanates - NIOSH Workplace Safety and Health Topic** Other isocyanates will have similar health effects. . . A summary of health hazard evaluations : Issues related to occupational exposure to **Polyurethanes: Science, Technology, Markets, and Trends - Google Books Result** A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19. DHHS (NIOSH) Publication No. 2004-116. **ISOPHORONE DIISOCYANATE C12H18N2O2 - PubChem** [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). **A summary of health hazard evaluations: issues related to - CDC** In 2002, HDI isocyanurate (HDI-IC) trimer was added to our isocyanate series, and . [DHHS Centers for Disease Control and Prevention -National Institute for Occupational Safety and Health A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 (January 2004). A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to. Isocyanates, 19. DEPARTMENT OF HEALTH AND HUMAN **A Summary of Health Hazard Evaluations: Issues Related to - eBay** A summary of health hazard evaluations: issues related to evaluations: issues related to occupational exposure to isocyanates 1989 to 2002. **Allergy and Immunotoxicology in Occupational Health - Google Books Result** from ILO-ICSC, The National Institute for Occupational Safety and Health - NIOSH DHHS/CDC/NIOSH A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19 p.6 (January 2004). **CDC - NIOSH Numbered Publications Search Results** The purpose of this HHE summary document is to amass the past 14 years of isocyanate-related HHEs in a concise format for easy reference **4,4-Methylenediphenyl Diisocyanate - National Library of Medicine** A summary of health hazard evaluations: issues related to occupational exposure to isocyanates 19892002. Cincinnati, OH: National Institute for Occupational **A Summary of Health Hazard Evaluations: Issues Related to - eBay** Health Hazard Evaluation Report 2012-0222-3203 Summary . . occupational asthma secondary to isocyanate exposure by a pulmonologist. Workers were concerned about several issues: decreased local exhaust ventilation when . . [Kimber and Dearman. 2002]. Additionally, solvent exposure has been linked to **2,4-TOLUENE DIISOCYANATE - National Library of Medicine HSDB** A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to Isocyanates, 19. by Department of Health and Human **HEXAMETHYLENE DIISOCYANATE - National Library of Medicine** A summary of health hazard evaluations: Issues related to occupational exposure to isocyanates, 19. Centers for Disease Control and Prevention. **HHE Report No. HETA-Evaluation of Exposures and Health - CDC** exposures to diisocyanates because the diisocyanate moiety will hydrolyze in . 2A Summary of Health Hazard Evaluations: Issues Related to Occupational Exposure to. Isocyanates, 19, Department of Health and Human Services,