# Niosh Pocket Guide Hexavalent Chromium

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**Niosh Pocket Guide to Chemical Hazards** **Government Printing Office**

**The NIOSH Pocket Guide to Chemical Hazards presents key information and data in abbreviated tabular form for chemicals or substance groupings (e.g. cyanides, fluorides, manganese compounds) commonly found in the work environment. With this handy book you'll find information on chemical structures or formulas, exposure limits, chemical and physical properties, synonyms, respirator selections, signs and symptoms of exposure, etc... for 677 chemicals regulated at the federal level. The information contained in the pocket guide is based on NIOSH criteria documents, Current Intelligence Bulletins and recognized references.**

*NIOSH Pocket Guide to Chemical Hazards, September 2005, August 2006 (Book)* CreateSpace

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**NIOSH Pocket Guide to Chemical Hazards** CRC Press

When the U.S. Congress passed the Occupational Safety and Health Act of 1970 (Public Law 91-596), it established the National Institute for Occupational Safety and Health (NIOSH). Through the Act, Congress charged NIOSH with recommending occupational safety and health standards and describing exposure levels that are safe for various periods of employment, including but not limited to the exposures at which no worker will suffer diminished health, functional capacity, or life expectancy because of his or her work experience. Criteria documents contain a critical review of the scientific and technical information about the prevalence of hazards, the existence of safety and health risks, and the adequacy of control methods. By means of criteria documents, NIOSH communicates these recommended standards to regulatory agencies, including the Occupational Safety and Health Administration (OSHA), health professionals in academic institutions, industry, organized labor, public interest groups, and others in the occupational safety and health community. This criteria document is derived from the NIOSH evaluation of critical health effects studies of occupational exposure to hexavalent chromium (Cr[VI]) compounds. It provides recommendations for controlling workplace exposures including a revised recommended exposure limit (REL) derived using current quantitative risk assessment methodology on human health effects data. Cr(VI) compounds include a large group of chemicals with varying chemical properties, uses, and workplace exposures. Their properties include corrosion-resistance, durability, and hardness. Sodium dichromate is the most common chromium chemical from which other Cr(VI) compounds may be produced. Materials containing Cr(VI) include various paint and primer pigments, graphic art supplies, fungicides, corrosion inhibitors, and wood preservatives. Some of the industries in which the largest numbers of workers are exposed to high concentrations of Cr(VI) compounds include electroplating, welding, and painting. An estimated 558,000 U.S. workers are exposed to airborne Cr(VI) compounds in the workplace.

*NIOSH Manual of Analytical Methods: NIOSH monitoring methods* CRC Press

DHHS NIOSH Publication No. 2005-149. Provides a concise source of general industrial hygiene information for workers, employers, and occupational health professionals. Presents key information and data in abbreviated tabular form for 677 chemicals or substance groupings commonly found in the work environment. Assists users to recognize and control occupational chemical hazards. This is a low-cost edition of a document available online.

**NIOSH pocket guide to chemical hazards** Occupational Safety & Health Administration

Carcinogens.

*Niosh Pocket Guide to Chemical Hazards And Other Databases 2003* J.J. Keller & Associates

The NIOSH Pocket Guide to Chemical Hazards presents information taken from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards, from National Institute for Occupational Safety and Health (NIOSH) criteria documents and Current Intelligence Bulletins, and from recognized references in the fields of industrial hygiene, occupational medicine, toxicology, and analytical chemistry. The information is presented in tabular form to provide a quick, convenient source of

information on general industrial hygiene practices. The information in the Pocket Guide includes chemical structures or formulas, identification codes, synonyms, exposure limits, chemical and physical properties, incompatibilities and reactivities, measurement methods, respirator selections, signs and symptoms of exposure, and procedures for emergency treatment.

NIOSH Pocket Guide to Chemical Hazards Occupational Safety & Health Administration

This is latest edition of the NIOSH Pocket Guide to Chemical Hazards and presents information taken from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards, from National Institute for Occupational Safety and Health (NIOSH) criteria documents and Current Intelligence Bulletins, and from recognized references in the fields of industrial hygiene, occupational medicine, toxicology, and analytical chemistry. The information is presented in tabular form to provide a quick, convenient source of information on general industrial hygiene practices. The information in the Pocket Guide includes chemical structures or formulas, identification codes, synonyms, exposure limits, chemical and physical properties, incompatibilities and reactivities, measurement methods, respirator selections, signs and symptoms of exposure, and procedures for emergency treatment. The information assembled in the original 1978 printing of the Pocket Guide was the result of the Standards Completion Program, a joint effort by NIOSH and the Department of Labor to develop supplemental requirements for the approximately 380 workplace environmental exposure standards adopted by the Occupational Safety and Health Administration (OSHA) in 1971. Following are changes that were made for this edition (2005-149) of the Pocket Guide: * New layout for the Chemical Listing section. * Recommendations for particulate respirators have been revised to incorporate "Part 84" terminology. See "Recommendations for Respirator Selection" on page xiv for a more thorough explanation of these changes. * The Synonym and Trade Name Index has been expanded. This index is now called the Chemical, Synonym, and Trade Name Index (page 383). * Some ID and Guide Numbers were changed to reflect changes made in the 2004 Emergency Response Guidebook (http://hazmat.dot.gov/pubs/erg/gydebook.htm). * Appendix E (page 351) has been revised. It now contains OSHA respirator requirements for 28 chemicals or hazardous substances that were identified in the preamble to the OSHA Respiratory Protection Standard (29 CFR 1910.134). * Other minor technical changes have also been made since the February 2004 edition. (For the most current information and updates, consult the electronic version on the NIOSH Web site: http://www.cdc.gov/niosh/npg/npg.html.) Following are changes made for this the 3rd printing of this edition of the Pocket Guide: * Changes were made to reflect the new OSHA PEL for hexavalent chromium. * The NIOSH REL for coal mine dust was added to the coal dust entry. * A few other minor technical changes have been made.

*Industrial Exposure and Control Technologies for OSHA Regulated Hazardous Substances: Substances K-Z and indices* William Andrew

Written by an internationally recognized group of editors and contributors, Handbook of Elemental Speciation, Volume 2 provides a comprehensive, cross-disciplinary presentation of the analytical techniques involved in speciation. Comprehensive coverage of key elements and compounds in situ Addresses the analysis and impact of these elements and compounds, e.g. arsenic, lead, copper, iron, halogens, etc., in food, the environment, clinical and occupational health Detailed methodology and data are reported, as well as regulatory limits Includes general introduction on the impact in these key areas

*Sittig's Handbook of Toxic and Hazardous Chemicals and Carcinogens* CreateSpace

The NIOSH Pocket Guide to Chemical Hazards presents information taken from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards, from National Institute for Occupational Safety and Health (NIOSH) criteria documents and Current Intelligence Bulletins, and from recognized references in the fields of industrial hygiene, occupational medicine, toxicology, and analytical chemistry. The information is presented in tabular form to provide a quick, convenient source of information on general industrial hygiene practices. The information in the Pocket Guide includes chemical structures or formulas, identification codes, synonyms, exposure limits, chemical and physical properties, incompatibilities and reactivities, measurement methods, respirator selections, signs and symptoms of exposure, and procedures for emergency treatment.

*Handbook of Elemental Speciation II* DIANE Publishing

Abstract: This pocket guide was developed to present technical information and data taken partly from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards in ready reference tables for workers, employers and occupational health professionals. Chemical names and synonyms, exposure limits, chemical and physical properties, recommended protective clothing and respirators, exposure routes, signs and symptoms, target organs, and first aid procedures are supplied for 397 federally regulated chemicals or types of chemicals ound in work environments.

NIOSH/OSHA Pocket Guide to Chemical Hazards DIANE Publishing

This study, commissioned by the National Aeronautics and Space Administration (NASA), examines the role of robotic exploration missions in assessing the risks to the first human missions to Mars. Only those hazards arising from exposure to environmental, chemical, and biological agents on the planet are assessed. To ensure that it was including all previously identified hazards in its study, the Committee on Precursor Measurements Necessary to Support Human Operations on the Surface of Mars referred to the most recent report from NASA's Mars Exploration Program/ Payload Analysis Group (MEPAG) (Greeley, 2001). The committee concluded that the requirements identified in the present NRC report are indeed the only ones essential for NASA to pursue in order to mitigate potential hazards to the first human missions to Mars.

**NIOSH Respirator Decision Logic** CRC Press

Sittig's Handbook of Toxic and Hazardous Chemicals and Carcinogens, Seventh Edition, has proven to be a reliable, accessible, must-have reference on hazardous materials for over thirty years. This updated and revised seventh edition is the most comprehensive listing of the hazardous chemicals commonly used, transported, and regulated in industry and the workplace. Information is the most vital resource anyone can have when dealing with potential hazardous substance accidents, spillages, fires, or acts of terror. It is also essential for the safe day-to-day operation of chemical processes and environmental protection. Sittig's Handbook provides extensive data for over 2,200 chemicals in a uniform format, enabling fast and accurate decisions in any situation. The chemicals are presented alphabetically and classified as a carcinogen, hazardous substance, hazardous waste, or toxic pollutant. This new edition contains expanded and reviewed information for each chemical listed (including chemicals classified as WMD) and has been updated to keep pace with world events, standards, and regulations. This seventh edition includes over 100 new records, and every single record has been checked and updated as necessary. Enables readers to quickly and reliably find the chemical they are looking for, with a full range of synonyms for each chemical, including trade names and CAS index Features relevant data for the US and EU included throughout, along with the essential chemical hazard information applicable worldwide Provides a trusted source of information for first-line responders (emergency services), industry, logistics companies, scientists, and environmental protection organizations Contains expanded information for each chemical listed (including chemicals classified as WMD) and has been updated to keep pace with

world events, standards, and regulations

**Practical Guide to Industrial Safety** National Academies Press

Though overall cancer incidence and mortality have continued to decline in recent years, cancer continues to devastate the lives of far too many Americans. In 2009 alone, 1.5 million American men, women, and children were diagnosed with cancer, and 562,000 died from the disease. There is a growing body of evidence linking environmental exposures to cancer. The Pres. Cancer Panel dedicated its 2008¿2009 activities to examining the impact of environmental factors on cancer risk. The Panel considered industrial, occupational, and agricultural exposures as well as exposures related to medical practice, military activities, modern lifestyles, and natural sources. This report presents the Panel¿s recommend. to mitigate or eliminate these barriers. Illus.

Site Assessment and Remediation for Environmental Engineers J.J. Keller & Associates

This authoritative text on occupational lung disorders builds upon the fundamentals, including clinical, epidemiological, and predictive approaches. It discusses interstitial and malignant diseases, airways diseases, and other respiratory issues, such as diving, working at high altitudes, and abnormal sleep conditions. It also covers related long-term conditions, such as asthma and COPD. This edition has been completely revised and brought up to date for all physicians dealing with pulmonary disorders caused by the environment or the workplace.

**Parkes' Occupational Lung Disorders, Fourth Edition** National Academies Press

Includes: Immediately Dangerous to Life & Health Concentrations; International Chemical Safety Cards; NIOSH Certified Equipment List; NIOSH Manual of Analytical Methods; NIOSH Pocket Guide to Chemical Hazards; OSHA Sampling & Analytical Methods; Recommendations for Chemical Protective Clothing; Specific Medical Tests Published for OSHA Regulated Substances; Toxicologic Review of Selected Chemicals; & 2000 Emergency Response Guidebook. Includes Windows & Macintosh versions of Netscape Communicator & Adobe Acrobat Reader.

*NIOSH Pocket Guide to Chemical Hazards* DIANE Publishing

This book serves as a primary textbook for environmental site investigation and remediation of subsurface soil and groundwater. It introduces concepts and principles of field investigative techniques to adequately determine the extent of contamination in the subsurface for the selection of cleanup alternatives. It then focuses on practical calculations and skills needed to design and operate remediation systems that will both educate students and be useful for entry-level professionals in the field. Features: • Examines the practical aspects of investigating and cleaning up contaminated soil and groundwater • Contains scenarios, illustrations, equations, and example problems with discussions that illustrate various practical situations and interpret the results • Includes end-of-chapter problems to reinforce student learning • Provides a regulatory and risk analysis context, as well as public and community involvement aspects • Discusses sustainability and performance assessment of the remediation methods presented Site Assessment and Remediation for Environmental Engineers provides upper-level undergraduate and graduate students with practical, project-oriented knowledge of how to investigate and clean up a site contaminated with chemicals and hazardous waste.

NIOSH Pocket Guide to Chemical Hazards www.Militarybookshop.CompanyUK

A practical guide to industrial safety. It seeks to assist specialists in managing operations in industrial settings, including high-risk personal exposure such as inhalation hazards and direct chemical contact. It covers hazards in the chemical process industries, inhalation hazards in refineries, indoor air quality management, personal protective

NIOSH Pocket Guide to Chemical Hazards John Wiley & Sons

Gives you quick access to the information you need to recognize and deal with chemical hazards in the workplace. It recommends appropriate actions to take when encountering a potentially hazardous substance, including the latest data on: chemical types and descriptions, health hazards, exposure signs and symptoms, emergency treatment, personal protection, cleanup precautions and much more. Provides key information and data on 677 hazardous chemicals or substances that you may encounter in the work environment. Spiral bound.

*Reducing Environmental Cancer Risk* www.Militarybookshop.CompanyUK

DHHS NIOSH Publication No. 2004-103. Intended as a source of general industrial hygiene information for workers, employers, and occupational health professionals. Contains: Immediately Dangerous to Life and Health Concentrations; International Chemical Safety Cards; NIOSH Manual of Analytical Methods; NIOSH Pocket Guide to Chemical Hazards; OSHA Sampling & Analytical Methods; Recommendations for Chemical Protective Clothing; Specific Medical Tests Published for OSHA Regulated Substances; Toxicologic Review of Selected Chemicals; and the 2000 Emergency Response Guidebook.

*Toxicological Profile for Chromium*

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.