

INFORMATION SOURCE MATRIX --- Listing of useful online information sources on chemicals, along with the type of information offered January, 2008

This directory is intended to provide users with a ready-to-go list of information sources offering chemical-specific data that could be needed in an emergency. It is not intended to be an exhaustive list of Internet sites containing information specific to chemicals. http://emergency.cdc.gov/coca/xls/ICTW_InfoMatrix_2008.xls

Chemical-specific sites include both toxic industrial chemicals (TICs) and weapons of mass destruction (WMD) chemicals

Site	URL	Contact	Summary	Toxicology	Epidemiology	Laboratory	Worker Protection	First Responders	Acute Health Hazards	Medical	Public FAQs	Other languages	Planning
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I. Emergency Response

I.A Critical Phone Numbers

American Association of Poison Control Centers	http://www.aapcc.org/	(800) 222-1222	(Staffed 24/7) phone number connects anyone in the US to their local poison center.							X			
ASPCA National Animal Poison Control Center	http://www.aspc.org/site/PageServer?pagename=pro_apcc	(888) 426-4435	(Staffed 24/7) A fee of \$55 may be charged per case. Allied with the University of Illinois College of Veterinary Medicine.							X			
Centers for Disease Control / Agency for Toxic Substances Disease Registry	http://www.atsdr.cdc.gov/2p-emergency-response.html	(770) 488-7100	(Staffed 24/7) CDC's main emergency operations center					X	X				
Chemical Transportation Emergency Center (CHEMTREC and MEDTREC)	http://www.chemtrec.org/Chemtrec/Resources/	(800) 424-9300	(Staffed 24/7) public service hotline for emergency responders. Medical advice available (Medtrec). CHEMTREC® is part of the American Chemistry Council.					X		X		X	
National Response Center	http://www.nrc.uscg.mil/	(800) 424-8802	(Staffed 24/7) The National Response Center is the sole federal point of contact for reporting oil and chemical spills. This is also the hotline for chemical & biological WMD incidents.					X					X

I.B First Responders (**alerts to the full range of response hazards: fire/explosion, reactivity, health)

2004 Emergency Response Guidebook **	http://hazmat.dot.gov/pubs/erg/guidebook.htm	(202) 366-4433 (DOT Pipeline & Hazardous Materials Administration)	Contains emergency response protocols for specific chemicals and chemical classes including fire & explosion hazards, evacuation perimeters, and first aid.					X				X	
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CAMEO Online database **	http://cameochemicals.noaa.gov/	(301) 713-2989 (NOAA Office of Response & Restoration, Maryland)	Chemical ID and properties, fire fighting, health hazards, PPE, first aid. Chemical reactivity feature for mixtures. Download dbase at: http://www.epa.gov/ceppo/cameo/request.htm						X	X								
Coast Guard CHRIS manual **	http://www.chrismanual.com/	n/a	First responder database. Searchable by chemical name, color, odor, physical state, behavior in water.						X	X								
International Emergency Response System **	http://www.seacomcanada.com/products.html#Comptable	n/a	Contains information on response measures, chemical hazards, protective clothing and more. By Seacom International Inc.						X	X								
MSDS-Vermont SIRI Index	http://hazard.com/msds/index.php	n/a	Online searchable database offers MSDS information as well as toxicology reports.					X	X	X								
NIOSH Pocket Guide to Chemical Hazards	http://www.cdc.gov/niosh/npg/	(800) 232-4636 (CDC Info-request NIOSH)	Condensed general industrial hygiene information on several hundred chemicals/classes. Does not include CWAs.					X	X	X								
NIOSH Emergency Response Resources	http://www.cdc.gov/niosh/topics/emres/	(800) 232-4636 (CDC Info-request NIOSH)	Links to dozens of emergency response resources and chemical information.					X	X	X								
NIOSH International Chemical Safety Cards **	http://www.cdc.gov/niosh/ipcs/icstart.html	(800) 232-4636 (CDC Info-request NIOSH)	Summarizes essential health and safety information on chemicals for their use at the "shop floor" level. Approx. 1,600 industrial chemicals (no CWAs); 17 languages. CWA info is at: http://www.cdc.gov/niosh/topics/emres/chemagent.html	X abbreviated				X	X	X							X	
OSHA Emergency Preparedness & Response	http://www.osha.gov/SLTC/emergencypreparedness/index.html	(800) 321-OSHA (OSHA assistance 24/7)	OSHA resources. Specialty topics include: Chemical, Biological, Bioterrorism, Radiation, Personal Protective Equipment, Training and Education, Equipment.					X	X			X						X
Radiological Dispersal Device - First Responder's Guide	http://www.crcpd.org/RDD.htm	(502) 227-4543 (Conference of Radiation Control Program Directors, KY)	Includes a <i>What To Do</i> flow chart, suggested incident zones and activities during the first 12 hours, turn-back exposure rates and dose guidelines, and what will provide a shield from each type of radiation.					X	X									
US Army WMD field manuals	http://www.globalsecurity.org/wmd/library/policy/army/fm/	n/a	One stop site for Army field manuals on chemical, nuclear, and biological warfare agents.	X						X	X	X						X
Wireless Information System for Emergency Responders (WISER) **	http://wiser.nlm.nih.gov/	(888) FINDNLM or tehip@tehnlm.nih.gov (Nat'l Library of Medicine, Specialized Info Service)	Includes substance ID & properties, human health, and containment and suppression. Searchable by health symptom, substance properties. Download dbase to PC or mobile device							X	X							
I.C Decontamination																		
DOJ fact sheet, Mass casualty decontamination	http://www.ojp.usdoj.gov/odp/docs/deconma.pdf	e-mail david.ladd@state.ma.us	Massachusetts fact sheet with equipment list							X								X

NIJ Guide for the selection of chemical and biological decontamination equipment	http://www.ncjrs.org/pdffiles1/nij/189724.pdf	(301) 975-2757 (Office of Law Enforcement Standards)	NIJ guide 103-00, decontamination equipment for first responders; equip. contacts listed in the document)						X											X
US Army "Guidelines for mass casualty decontamination"	http://www.au.af.mil/au/awc/awcgate/army/bccom_decon.pdf	n/a	First responder guidelines for mass casualty decontamination during a terrorist chemical incident						X											X
US Army "Guidelines for cold weather mass decontamination"	http://www.ecbc.army.mil/hld/cwirp/cwirp_col_weather_mass_decon_download.htm	n/a	First responder guidelines for mass casualty decontamination in cold weather during a terrorist chemical incident						X											X
I.D Emergency Exposure Guidelines																				
Acute Exposure Guidelines (EPA AEGLs)	http://www.epa.gov/oppt/aegl/pubs/chemijst	202-564-8557 or e-mail: aegl.oppt@epa.gov	EPA / National Academy of Sciences exposure guidelines for general public, including sensitive populations, for 3 categories of exposures for up to 8 hours	X						X	X									X
NIOSH Immediately Dangerous to Health and Life (IDLH)	http://www.cdc.gov/niosh/idlh/idlh-1.html	(800) 232-4636 (CDC Info-request NIOSH)	Documentation for IDLH values found in the NIOSH PocketGuide and are values designed for escape use.	X						X	X									
Reference Exposure Limits (CA RELs)	http://www.oehha.ca.gov/air/acute_rels/allAcRELs.html	(916) 323-2514 (California-EPA, Gen'l number)	Acute Reference exposure limits for airborne exposures to selected chemicals. California-EPA	X						X	X									
TEELs and ERPGs	http://www.hss.energy.gov/HealthSafety/WSHP/chem_safety/teel.html	(301)-903-9674 (Office of Worker Safety & Health Policy, Chemical Management)	Department of Energy Temporary Emergency Exposure Limits (TEELs) and Emergency Response Planning Guidelines (ERPGs) and EPA Acute Exposure Guidelines (AEGLs)							X										
I.E Field Detection (also see Laboratory, II.E)																				
DOJ Field Detection Equipment Guide	http://www.ncjrs.org/pdffiles1/nij/184449.pdf	(800) 248-2742 or e-mail asknlectc@nlectc.org. (Nat'l Law Enforcement and Corrections Technology Center, MD)	Dept. of Justice "Guide for the Selection of Chemical Agent and Toxic Industrial Material Detection Equipment for Emergency First Responders"						X		X									X
OSHA Recommendations for Handling Mail	http://www.osha.gov/SLTC/bioterrorism/anthrax/question5.html	(800) 321-OSHA (OSHA assistance 24/7)	Originally written to address anthrax concerns; good overall guidelines for handling suspicious mail.								X									X
"Suspicious Envelopes, Packages: Screening Checklist for First Responders" (WA State)	http://www.doh.wa.gov/phepr/pheprho.htm#suspicious	n/a	Field screening of suspicious packages prior to delivery of sample to an LRN lab.						X		X									X
I.F Medical / First Receivers																				
American College of Physicians Terrorism Resources	http://www.acponline.org/bioterro/index.html	Use (877) 554-4625 (CDC Clinician Information Line 24/7)	Clinical terrorism resources. Palm Downloads for various illnesses at: http://www.acponline.org/pda/bioterrorism.htm	X abbreviated							X	X								

OSHA Respiratory Protection eTool	http://www.osha.gov/SLTC/etools/respirator/index.html	(800) 321-OSHA (OSHA assistance 24/7)	Online respirator selection guide and respirator cartridge change schedule					X	X											X
II. Technical Support																				
II.A Chemical Fact Sheets																				
CDC Chemical Agents	http://www.bt.cdc.gov/agent/agentlistchem.asp	(770) 488-7100 (CDC EOC-not for gen'l public) (404) 639-7405 (Office Terror Prep & Em Resp)	CDC's list of over 75 toxic industrial chemicals and WMDs. Links to ATSDR & NIOSH fact sheets. Probably the single-most useful fact sheet resource.	X abbreviated				X	X	X	X	X	X	X	X	X	X	X	X	X
CDC - ATSDR "Public Health Statements"	http://www.atsdr.cdc.gov/phshome.html	(800) 232-4636 (CDC Info-request Division of Toxicology)	Summary from ATSDR Toxicological Profiles	X abbreviated															X	X
CDC - ATSDR "ToxFAQs"	http://www.atsdr.cdc.gov/toxfaq.html	(800) 232-4636 (CDC Info-request Division of Toxicology)	Approximately 250 chemicals, excerpted from the ATSDR Tox Profiles, as FAQs. Additional chemicals, not on tox profiles list, include several chemical warfare agents.	X abbreviated															X	X
EPA "Chemicals in the Environment" fact sheets	http://www.epa.gov/chemfact/	(202) 564-3810 (EPA Office of Pollution Prevention & Toxics, HQ, Washington, DC EOC)	Office of Pollution Prevention & Toxics chemical fact sheets (30+) and summary support docs	X abbreviated															X	
New Jersey "Right to Know" fact sheets	http://web.doh.state.nj.us/rtkhsfs/indexfs.aspx	(609) 984-2202 (Right To Know Program, NJ)	Public fact sheets for nearly 2,000 industrial chemicals, including some CWAs.	X abbreviated				X	X	X										X
NPIC Pesticide fact sheets	http://npic.orst.edu/npicfact.htm	(800) 858-7378 (Nat'l Pesticide Info Ctr)	National Pesticide Information Center public and technical fact sheets on 30+ pesticides	X abbreviated								X							X	
US Army CWA fact sheets	http://chppm-www.apgea.army.mil/hrarcp/CAW/	(800) 222-9698 (Army Ctr for Health Promotion & Preventive Medicine)	Includes both detailed and general chemical fact sheets for 24 of the most common CWAs. Click on "documents available online" and go to general or detailed facts about chemical agents.	X abbreviated				X				X								
II.B Chemistry & Toxicology																				
ChemFinder	http://chemfinder.cambridgesoft.com/	(617) 588-9300 (CambridgeSoft Corp)	Good place to start - chemical-physical properties of thousands of chemicals as well as links to MSDS data, regulatory, & tox information.	X																
ChemIDPlus	http://chem.sis.nlm.nih.gov/chemidplus	(301) 496-1131 or (888) FINDNLM (NLM Specialized Info Services, MD)	National Library of Medicine chemical identification database. Links to tox and other info on NLM databases.	X																
Chemical Reactivity Worksheet	http://response.restoration.noaa.gov/chemicals/react.html	(301) 713-2989 (NOAA Office of Response & Restoration, Maryland)	Database of reactivity information for 6,000+ hazardous chemicals. Virtually "mix" chemicals to assess dangers from accidental mixing. National Oceanic and Atmospheric Administration & EPA																X	

eChem Portal (Intern'l)	http://www.oecd.org/document/9/0,3343,en_2649_34379_35211849_1_1_1_1,00.html	n/a	Global chemical databases - includes information on high production volume (HPV) chemicals. Org. for Econ. Coop. & Develop. (OECD)	X			X	X	X	X	X		X
European Chemical Substances Information System	http://ecb.jrc.it/esis/	n/a	Includes European Inventory of Existing Commercial Chemical Substances, Chemical Data Sheets, Priority Lists, etc.	X									
Environmental Fate Database	http://www.syrres.com/esc/efdb.htm	(800) 724-0451 (Syracuse Research Corp)	Syracuse Research Corp. environmental fate database includes information on biodegradation, chemical fate and properties	X									
Environmental Fate - Exposure Assessment Tools and Models	http://www.epa.gov/opptintr/exposure/index.htm	(202) 564-0549 (EPA Exposure Assessment Branch, Washington, DC)	Databases and predictive models to estimate fate and exposure; includes EPI Suite environmental fate estimation models.	X									
Exposure Guidelines - IRIS Integrated Risk Information System	http://www.epa.gov/iris/stand-al.htm	(202) 566-1676 (IRIS hotline)	EPA database of human health effects and reference exposure values for common industrial chemicals. Chronic health hazards, including cancer.	X									
Exposure Guidelines - MRLs Minimal Risk Levels	http://www.atsdr.cdc.gov/mrls/index.html	(800) 232-4636 (CDC Info-request Division of Toxicology)	ATSDR screening levels used to identify contaminants and potential health effects that may be of concern at hazardous waste sites.	X									
FDA Poisonous Plant Database	http://www.cfsan.fda.gov/~djm/plantox.html	(888)-SAFEFOOD (FDA Ctr for Food Safety & Applied Nutrition)	Database contains references to the scientific literature describing studies of the toxic properties and effects of plants and plant parts. Records are displayed in list format	X					X				
HAZ-MAP	http://www.haz-map.com	(301) 496-1131 or (888) FINDNLM (NLM Specialized Info Services, MD)	Haz-Map is a relational database of hazardous chemicals and occupational diseases. The database currently contains 1463 chem / bio agents and 212 diseases. Nat'l Library of Med.	X			X						X
High Production Volume Chemicals (EPA)	http://iaspub.epa.gov/oppt/hpv/hc_characterization.get_report	(202) 564-3810 (EPA Office of Pollution Prevention & Toxics, HQ, Washington, DC EOC)	EPA evaluations of the hazard (toxicity) data submitted on selected high production volume chemicals	X			X						
National Library of Medicine Databases	http://www.sis.nlm.nih.gov/sisfactsheets.html	(888) 346-3656 (NLM assistance)	Gateway to multiple databases within NLM	X	X	X	X	X	X	X	X		X
Pesticides - EXTOWNET	http://extownet.orst.edu/ghindex.html	n/a	Cooperative effort of several universities. Houses information profiles for roughly 200 different pesticides.	X					X				
Pesticide Ingredients Database	http://ppis.ceris.purdue.edu/htbin/epachem.com	(765) 494-6561 (Nat'l Pesticide Info Retrieval System, HQ, IN)	Info on active ingredients in pesticide formulations; lists manufacturers. Search by name, CAS number, or PC Code. Purdue Research Fdn	X									

Pesticide Properties Database	http://www.ars.usda.gov/Services/docs.htm?docid=14199	(202) 720-3656 (Ag. Research Service HQ, Washington, DC)	334 widely used pesticides. Focuses on chem/phys. properties that affect pesticide transport and degradation. US Department of Agriculture, Agricultural Research Service	X															
Solvents (SOLV-DB)	http://solvdb.ncms.org/whatfind.htm	(800) 222-6267 (Nat'l Ctr for Mfg Sciences, MI)	National Center for Manufacturing Sciences. Information on commercially available solvents including health and safety, chemical and physical data, regs, and environmental fate	X			X	X	X										
Toxicological Profiles (ATSDR)	http://www.atsdr.cdc.gov/toxpro2.html	(800) 232-4636 (CDC Info-request Division of Toxicology)	261 listed hazardous substances found at National Priorities List sites. Lengthy profiles with complete literature review. Does not include most CWAs.	X		X									X				
Toxicology (IPCS INTOX)	http://www.intox.org/databank/pages/chemical.html	(905) 572-2981 (Canadian Centre for Occupational Health)	Profiles for chemical, pharmaceutical, plant, animal, bacterial and fungal agents. Maintained by the Canadian Centre for Occupational Health and Safety	X						X	X					X			
Toxic Substance Control Act (TSCA) Database	http://www.syrres.com/esc/tscats.htm	(800) 724-0451 (Syracuse Research Corp)	Info on unpublished technical reports submitted by industry to EPA under TSCA (health effects, environmental effects, and environmental fate). Order reports with the document fiche number - 1(800) 553-6847.	X															
TOXNET	http://toxnet.nlm.nih.gov/	(888) 346-3656 (NLM assistance)	A cluster of NLM databases on toxicology & hazardous chemicals. Includes the highly useful HSDB (Hazardous Substances Database) . Searches allow use of phrases.	X		X	X	X	X	X									
II.C Epidemiology																			
Rapid Response Registry (ATSDR)	https://www.rapidresponseregistry.org/	(770) 488-7100 (CDC EOC-not for gen'l public)	Rapid survey tool for impacted populations		X				X										
Surveillance for Chemical Emergencies (CDC)	http://www.bt.cdc.gov/chemical/surveillance	(770) 488-7100 (CDC EOC-not for gen'l public)	Surveillance resources related to chemical emergencies. Includes case definitions and toxic syndrome descriptions for chemical agents.		X				X	X	X								X
Surveillance for Emergencies (CDC)	http://www.bt.cdc.gov/episun/	(770) 488-7100 (CDC EOC-not for gen'l public)	Specific Agents & Health Topics, Case Definitions, Illness Recognition & Detection, Surveillance Planning, Surveillance Systems		X				X	X	X								X
II.D Industrial Hygiene (Worker Protection)																			
Emergency Response References for Industrial Hygiene Professionals (AIHA)	http://www.aiha.org/Content/InsideAIHA/Volunteer+Groups/EPRTF.htm	(703) 207-3561 (HQ, VA)	Click on "IH Role in EPR" for eTools for preparing info for first responders. American Industrial Hygiene Association, Emergency Preparedness and Response Taskforce						X										X

Health & Safety Information for Emergency Response (NJ)	http://www.ucnj.org/lincs/Health%20and%20Safety%20Emerg%20Resp%20Internet%20Links.pdf	n/a	Health & safety eTools useful in preparing guidance for emergency responders. New Jersey Dept of Health					X												X
National Clearinghouse for Worker Safety and Health Training	http://tools.niehs.nih.gov/wetp/	(202) 331-7733 (HQ, Washington, DC)	The primary national source for hazardous waste worker curricula and technical reports. NIEHS Worker Education and Training Program (WETP)					X												X
NIOSH Databases	http://www.cdc.gov/niosh/database.html	(800) 356-4674 (NIOSH tech assistance)	Link to general NIOSH databases and other resources	X			X	X	X	X										
II.E Laboratory (also see Field Detection, 1.E)																				
ASTM CBRNE Sensors and Detectors	http://www.astm.org/cgi-bin/SoftCart.exe/COMMIT/SUBCOMMIT/E5401.htm?L+mystore+qptb4201+1199679206	(610) 832-9729 (Homeland Security Applications Committee)	ASTM Standards: Chem Warfare Vapor Detector; Collection of Visible Powders; and Trace Explosive Detectors					X		X										
CDC Laboratory Information	http://www.bt.cdc.gov/labissues/	(800) 232-4636 (CDC Health Line, request NCEH Lab Em Response Team)	Lab emergency preparedness and response, including specimen collecting and shipping					X	X	X										
EPA Environmental Test Methods	http://www.epa.gov/Standards.html	202-566-1000 (Office of Science & Tech, engineering & analysis)	Methods include general, air, pesticides and toxic substances, solid waste, and water.					X		X										
EPA Standardized Analytical Methods for Environmental Restoration following Homeland Security Events	http://www.epa.gov/NHSRC/pubs/reportSAM030107.pdf	(513) 569-7907 (EPA Nat'l Homeland Security Research Ctr, Ohio)	US EPA National Homeland Security Research Center analytical and sample preparation methods for chemical and biological analytes and radioisotopes.					X		X										X
Medical Tests for OSHA-Regulated Substances	http://www.cdc.gov/niosh/nmed/nmedname.html	(800) 356-4674 (NIOSH technical assistance)	Specific medical tests or examinations published for OSHA-regulated substances. Indexed by chemical name.					X	X	X			X							
NIOSH Manual of Analytic Methods	http://www.cdc.gov/niosh/nmam	(800) 356-4674 (NIOSH technical assistance)	Methods for sampling and analysis of contaminants in air, and in the blood and urine for occupational exposures					X	X	X										
OSHA Chemical Sampling Information	http://www.osha.gov/dts/chemicalsampling/toc/toc_chemsamp.html	(801) 233-4900 (OSHA Salt Lake Technical Center)	Searchable database for chemical sampling in occupational environments					X	X	X										
II.F Public & Community Resources																				
American Red Cross, Public information for chemical emergencies	http://www.redcross.org/services/disaster/0_1082_0_581_00.html	(800) 733-2767 (HQ, Washington, DC)	Public information guides to various types of chemical emergencies							X								X		X
CDC Chemical Emergencies	http://www.bt.cdc.gov/chemical/	(770) 488-7100 (CDC EOC-not for gen'l public) (404) 639-7405 (Office Terror Prep & Em Resp)	General and chemical-specific info for public and professionals. Public info includes shelter-in-place, evacuation, dealing with chemically-contaminated clothing, and chemical fact sheets.	X (abbreviated)				X	X	X	X	X	X	X	X	X	X	X	X	X

Department of Homeland Security "Ready.gov"	http://www.ready.gov	(202) 282-8000 (DHS Ready Campaign)	The official readiness and awareness site of the US Government. Includes general information for the public on preparedness, health hazards, and sheltering.						X				X	X	X
Disabilities, "Disaster Preparedness for People with Disabilities"	http://www.disabilityresources.org/DISASTER.html	(631) 585-0290 (consulting-\$)	Public information sites; Also see http://www.jik.com/disaster.html						X				X		X
Disaster Handbook	http://disaster.ifas.ufl.edu/	n/a	Univ. of Florida. Covers a wide range of disasters. Includes home and farm recovery						X				X		X
Mental Health - "OVC Handbook for Coping after Terrorism: A Guide to Healing and Recovery"	http://www.ojp.usdoj.gov/ovc/publications/infores/cat_hndbk/welcome.html	(800) 851-3420 (OVC resource center)	Office for Victims of Crime (OVC), Dept of Justice.						X				X		X
II.G Veterinary, Pets															
American Red Cross - Animal Safety	http://www.redcross.org/services/disaster/beprepared/animalsafety.html	(800) 733-2767 (disaster services)	Disaster preparedness and response for pets and livestock						X				X		X
American Veterinary Medical Association - Disasters	http://www.avma.org/disaster/responseguide/responseguide_toc.asp	(847) 925-8070 (HQ, IL) (800) 321-1473 (gov't relations, Washington, DC)	Disaster preparedness and response guide for animals. Includes farm, companion/pet, zoo/marine. General info at URL: http://avma.org/disaster/default.asp						X				X		X
National Animal Rescue & Sheltering Coalition	http://www.nacanet.org/disasterdatabase.htm	odavidson@hsus.org	Post-Katrina coalition of 9 national animal rescue/shelter disaster orgs. Animal disaster consulting, resource & referral services										X		X
U.S. Dept of Agriculture - Animals in Disasters	http://www.aphis.usda.gov/animal_welfare/ad/index.shtml	(301) 734-7833 (USDA Animal Care HQ, Maryland)	Links to disaster biologist and lab services at http://www.aphis.usda.gov/animal_health/index.shtml . Also see "Animal health hazards...during natural disasters" at: http://www.aphis.usda.gov/vs/ceah/cei/taf/emerginganimalhealthissues_files/hazards.PDF ;						X				X		X