



Legend PATCHWORK 2.1

	This is where you start: you need to have a name of a (group of) chemical(s) or the name of a product
	Query that helps you to define the problem and leads you to the database that may contain the answer you are seeking
	Hyperlink that takes you to an external site on the internet that contains a database with toxicity data
	Hyperlink that takes you to further information about an action that you can take
	The assessment that you made so far does not require further action for the moment

Table 1: Characteristics of the selected websites of PATCHWORK 2.2.

Name	Full name	URL	Provider ^a	CO ^b	Description of information	Number of records (type)	Record format ^c	Selection interface ^d	Date of update ^e
14 th Report on Carcinogens	Report on Carcinogens, 14th Edition; U.S. Department of Health and Human Services, Public Health Service	https://ntp.niehs.nih.gov/pubhealth/roc/index-1.html	NTP	US	Carcinogenicity profiles (January, 2005)	248 entries (substances)	pdf	Search	+
BIOTOX	Guide biotoxicologique	http://www.inrs.fr/biotox	INRS	FR	Information on possibilities for biological monitoring	114 substances	html	Search	++
CCRIS	Chemical carcinogens Research Information System	https://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CCRIS	TOXNET NLM	US	Carcinogenesis, mutagenesis, tumor promotion and inhibition test results	8,000 (substances)	frm	search	++
CEDI	Cumulative Estimated Daily Intake/Acceptable Daily Intake Database	https://www.fda.gov/Food/IngredientsPackagingLabeling/PackagingFCS/CEDI/default.htm	US FDA	US	Cumulative daily intake for each substance listed	1 267 (substances)	html	Search/sort	+
CERHR	Center for the Evaluation of Risks to Human Reproduction	https://ntpsearch.niehs.nih.gov/?query=CERHR+monograph&e=False&suffixes=true&suffixes=false (use CERHR Monograph as search term)	NIEHS	US	Expert panel reports on reproduction toxicity	24 (reports)	pdf	select list	+
CHEM ID PLUS	Chem ID Plus	https://chem.nlm.nih.gov/chemidplus/	TOXNET NLM	US	Chemical properties and structures	>390,300 (substances)	txt	search	-
CHEMINDEX	Chem Index Database	http://ccinfoweb.ccohs.ca/chemindex/search.html	CCOHS	CA	Chemical identity/properties	>390,300 (substances)	txt	search	-
CICADS	Concise International Chemical Assessment Documents	http://www.inchem.org/pages/cicads.html	IPCS	Int.	Scientific information on effects of chemicals to humans/environment	31 (summaries)	txt	select list	-
CPC	Chemical Protective Clothing	https://www.cdc.gov/niosh/ncpc/default.html	CDC NIOSH	US	Personal protective clothing	-	tbl	select alp	+
CPDB	Carcinogenic Potency Database	https://toxnet.nlm.nih.gov/cpdb/cpdb.html	LBL	US	Different toxicity datasets for carcinogenic substances	11 (toxicity databases)	txt, pdf	select	+
DART	Developmental and Reproductive Toxicology/Environmental Teratology Information Center	https://toxnet.nlm.nih.gov/newtoxnet/dart.htm	IPCS	Int	Bibliographic database for reprotoxicity and teratology data	90,000 (citations)	txt	search	-
EINECS	European Inventory of Existing Commercial	https://echa.europa.eu/nl/information-on-chemicals/ec-inventory	EU-JRC	Int	List of chemicals registered by EU for commercial use	100,204 substances	crd	search	-

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	chemical Substances								
ERG 2016	Emergency Response Guidebook	http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/ergmenu.aspx	CANUTEC	CA	Guide to aid first responders in quickly identifying hazards of materials	-	tbl	select alp	-
GENETOX	GENE-TOX	http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?GENETOX	TOXNET NLM	US	Genetic toxicity (mutagenicity) test data	> 3,000 (substances)	txt	search	++
GESTIS	Gefahrstoffinfor-mations-system der gewerblichen Berufsgenossen-schaften	http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp	IFA	DE	Identity, phys./chem. properties, first aid, safe use	7,000 (substances)	frames	search	+
GOOGLE	Google™	http://www.google.nl/	Google	US	Search engine	3,310,000,000 (web pages)	txt	search boo	-
HSDB	Hazardous Substances Database	http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB	TOXNET NLM	US	Toxicology data files	4,500 (substances)	frm	search	-
IARC MONOGRAPHS	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	http://monographs.iarc.fr/	IARC WHO	Int	Carcinogenicity	860 (substances)	frm	search	+
ICSC	International Chemical Safety Cards	http://www.inchem.org/pages/icsc.html	IPCS	Int.	Cards with concise health and safety information	1,700 (cards)	crd	select lst	+
IDLH	Immediately Dangerous to Life and Health	https://www.cdc.gov/niosh/idlh/	CDC NIOSH	US	Documentation used for establishing IDLHs	387 (documents)	txt	select lst	+
ITER	International Toxicity Estimates for Risk	https://toxnet.nlm.nih.gov/newtoxnet/iter.htm	TERA	US	Toxicology reports	600 (substances)	txt	search	-
LAZAR TOXICITY PREDICTIONS	<i>Lazy Structure- Activity Relationships</i>	http://lazar.in-silico.de/	LAZAR		<i>in silico</i> toxicology gmbh, Univerisity of Freiburg	n/a	Html	Smiles	+
MHMI	Managing Hazardous Materials Incidents	http://www.atsdr.cdc.gov/MHMI/index.asp	CDC ATSDR	US	Recommendations for on-scene management of patients exposed to hazardous substances	36 (protocols)	pdf	select cnt	-
MMG	Medical Management Guidelines for Acute Exposures	http://www.atsdr.cdc.gov/MMG/index.asp	CDC ATSDR	US	Guidelines for health care professionals who manage acute exposures	41 (guidelines)	pdf	select lst	-
MRL	Minimal Risk Levels for Hazardous Substances	http://www.atsdr.cdc.gov/mrls/index.html	CDC ASTDR	US	Exposure likely to be without appreciable risk of adverse non cancer effects	307 (substances)	txt	lst alp	+

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MSDS SEARCH ^f	National MSDS Repository	http://www.msdssearch.com/DBLinksN.htm	MSDS Search Inc.	US	Portal of MSDS databases	20 (databases)	txt	search boo	-
NIOSH TIC-2	NIOSH Technical Inquiries	http://www2.cdc.gov/nioshtic-2/	CDC NIOSH	US	Bibliographic database	-	txt	search boo	+
NMAM	NIOHS Manual of Analytical Methods	https://www.cdc.gov/niosh/docs/2003-154/default.html	CDC NIOSH	US	Methods for measurement of chemicals	-	pdf	select alp	+
NTP	National Toxicology Program	http://ntp.niehs.nih.gov/	NIEHS	US	Toxicity information of carcinogens	-	txt	search	+
PIMS	Poisons Information Monographs	http://www.inchem.org/pages/pims.html	IPCS	Int.	Information about substances commonly involved in poisoning	125 (substances)	txt	select lst	+
PUBMED	PubMed	http://www.ncbi.nlm.nih.gov/pubmed	NLM	US	Bibliographical database (Medline)	11,000,000 (citations)	txt	select boo	+
RAIS	Risk Assessment Information System	http://rais.ornl.gov/tools/tox_profiles.html	DOE	US	Department of Energy (DEO)	60 (toxicity profiles)	Html	Select	+
SER	Sociaal Economische Raad	https://www.ser.nl/nl/themas/arbeidsomstandigheden/grenswaarden.aspx	SER	NL	Workplace standards from EU member states	> 1,000 standards	Html	Search	+
SIDS	Chemicals Screening Information Dataset for High Volume Chemicals	http://www.inchem.org/pages/sids.html	UNEP	Int.	Monographs	71 (substances)	pdf	select lst	+
TOXFAQS	Frequently Asked Questions about Contaminants Found at Hazardous Waste Sites	http://www.atsdr.cdc.gov/toxfaqs/index.asp	CDC ATSDR	US	Questions and answers about hazardous substances commonly found at waste sites	200 (substances)	pdf	select alp	-
WISER	Wireless Information System for Emergency Responders	http://webwiser.nlm.nih.gov/getHomeData.do	NLM	US	Concise information for substances involved in chemical incidents	5,236 substances	Html	Select alp	++

^a Provider list of used abbreviations

ATSDR	Agency for Toxic Substances and Disease Registry	LBL	Lawrence Berkeley Lab
BIA	Berufsgenossenschaftliches Institut für Arbeitssicherheit	MSDS	Material Safety Data Sheets
CANUTEC	Transport Canada	NIEHS	National Institute of Environmental Health Sciences
CCOHS	Canadian Center for Occupational Health and Safety	NIOSH	National Institute for Occupational Safety and Health
CDC	Centers of Disease Control	NLM	National Library of Medicine
EU JRC	European Union Joint Research Center	NTP	National Toxicology Program
IARC	International Agency for Research on Cancer	SER	Sociaal Economische Raad (Social Economic Council)
INRS	Institute National de Recherche Sécurité	TERA	Toxicology Excellence for Risk Assessment
IPCS	International Program on Chemical Safety	TTL	Finnish Institute of Public Health
UNEP	United Nations Environmental Program	TOXNET	Toxicology Data Network
WHO	World Health Organization	LAZAR	Lazy Structure- Activity Relationships

^b CA = Canada; DE = Germany; FI = Finland; FR = France; Int. = International; US = United States;

^c Format of record: crd = record presented as a card lay out with text and graphics; frm = screen divided in frames with text/graphics; pdf = Adobe Acrobat format (the Adobe Acrobat Reader 5.0 can be downloaded from <http://www.adobe.com/products/acrobat/readstep.html>); txt = landscape text format

^d Search interface: search = enter substance name in field and press and send by pushing button (sometimes there is an extra field to enter the CAS number; search boo = search + combine terms by Boolean operators (AND, OR, NOT); select: click on hypertext; select lst:: select from a list of substances; select alp: preselect by first letter of substance; select cnt: select from content of a document by clicking on hypertext; smiles = simplified molecular input line entry specification; ^e Date of update: - no indication of date when record was entered/changed; + date of last entry/change; ++ date of last entry/change and history of previous entries/change.