

GreenScreen™ for Safer Chemicals

Version 1.2 Specified Lists

October 2011

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ID	Abbreviation	CPA List Type	Listed in DfE	List Name	Associated Green Screen Hazard Endpoints	URL and/or Reference
1	AOEC	Authoritative	Yes	Association of Occupational and Environmental Clinics (AOEC) Exposure Code List	Sensitization (respiratory including asthma)	http://www.aoeccdata.org/ExpCodeLookup.aspx (accessed 9/14/11)
2	Boyes-N	Screening	No	A list of the chemicals for which NIOSH or OSHA have established workplace exposure standards on the basis of effects on the nervous system is presented in Table 25.1 (adapted from Ref. 26).	Reproductive and Developmental Toxicity including Developmental Neurotoxicity, Neurotoxicity	Neurotoxicology and Behavior William K. Boyes, Ph.D. Eula Bingham, Barbara Cohrssen, Charles H. Powell (eds.), Patty's Toxicology Copyright © 2001 by John Wiley & Sons, Inc. All rights reserved. DOI: 10.1002/0471435139.tox025 Article Online Posting Date: April 16, 2001
3	CEPA	Screening	No	Canadian Environmental Protection Act, 1999 (CEPA 1999): CEPA Toxic	All human health and environmental toxicity and fate endpoints	[CEPA Toxic Substance List - Schedule 1] http://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&xml=4ABEFFC8-5BEC-B57A-F4BF-11069545E434 (accessed 9/14/11); [CEPA main page] http://www.ec.gc.ca/cepregistry (accessed 9/14/11); [CEPA Notices general] http://www.ec.gc.ca/substances/ese/eng/dsl/notices_avis.cfm (accessed 9/14/11); [CEPA Environmental Registry] http://www.ec.gc.ca/CEPAREgistry/subs_list/dsl/dslsearch.cfm (accessed 9/14/11)
4	DOT	Authoritative	No	US Department of Transportation Hazardous Materials Regulations	Acute Mammalian Toxicity, Irritation/Corrosivity, Flammability, Reactivity	[Chemicals Listed with Classification-49CFR 172.101] http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=4011663bcc8928d7775c0b077a36470e&rgn=div8&view=text&node=49:2.1.1.3.8.2.25.1&idno=49 (accessed 9/19/11); [Classification Criteria-49CFR 173] http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&tpl=/ecfrbrowse/Title49/49cfr173_main_02.tpl (accessed 9/14/11); http://environmentalchemistry.com/yogi/hazmat/placards/ (accessed 9/19/11)
5	DSL	Screening	No	Canadian Environmental Protection Act, 1999 (CEPA), Summary of Government of Canada Categorization Decisions for Substances on the Domestic Substance List (DSL), September 2006.	PBT, Health Effects	[DSL robust summaries] http://www.ec.gc.ca/substances/ese/eng/dsl/rss_overview.cfm (accessed 9/14/11); [DSL First Priority Substance List] http://www.ec.gc.ca/substances/ese/eng/psap/psl1-1.cfm (accessed 9/14/11); [DSL main page] http://www.ec.gc.ca/substances/ese/eng/dsl/cat_index.cfm (accessed 9/14/11); [DSL Categorization general] http://www.ec.gc.ca/substances/ese/eng/dsl/cat_index.cfm (accessed 9/14/11)

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6	EPA-AMT	Authoritative	No	US Environmental Protection Agency. 2001. <i>Consolidated List of Chemicals</i> Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Section 112(4) of the Clean Air Act (CAA). NOTE: Green Screen is only referring to the list of chemicals from EPCRA Section 302.	Acute Mammalian Toxicity	[Consolidated List of Lists] http://www.epa.gov/emergencies/tools.htm#lol (accessed 9/14/11); Purpose of list is to help companies identify substances that are regulated. Includes 5 federal lists: (1) EPCRA Section 302 Extremely Hazardous Substances (EHSs as identified in 40CFRPart355Appendices A,B); (2) CERCLA Hazardous Substances; (3) CAA Se. Note: Green Screen is only referring to the list of chemicals on EPCRA Section 302.
7	EPA - C	Authoritative	Yes	US Environmental Protection Agency (EPA), National Center for Environmental Assessment, Integrated Risk Information System (IRIS) Database	Carcinogenicity	[Search for Cancer Categorization] http://www.epa.gov/ncea/iris/search_human.htm (accessed 9/14/11); [IRIS Database] http://cfpub.epa.gov/ncea/iris/index.cfm?fuseaction=iris.showSubstanceList (accessed 9/14/11)
8	EU CMR (1)	Authoritative	Yes	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP), EC 1272/2008 and subsequent amendments. Originally published in ECB, Annex I of Directive 67-548-EEC and subsequent amendments/adaptations, known as the Dangerous Substances Directive (DSD) or Directive on Dangerous Substances (DDS).	Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive Toxicity, Developmental Toxicity	[CLP] http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm (accessed 9/14/11); [DSD] http://ec.europa.eu/environment/chemicals/dansub/home_en.htm (accessed 9/14/11)
9	EU CMR (2)	Authoritative	Yes	Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP), EC 1272/2008 and subsequent amendments. [Conversion of CMR list from 67-548-EEC(Categories 1-3) to GHS Categories (Category 1A, 1B, 2)]	Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive Toxicity, Developmental Toxicity	[CLP] http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm (accessed 9/14/11)
10	EU ED	Screening	No	European Union Priority List of suspected endocrine disruptors (prioritized for further testing). Chemicals prioritized by the European Union for testing for endocrine disruption. DHI. 2007. Study on Enhancing the Endocrine Disruptor Priority List with a Focus on Low Production Volume Chemicals.	Potential Endocrine Disruptor	[Website] http://ec.europa.eu/environment/endocrine/strategy/substances_en.htm#priority_list (accessed 9/14/11); [Report] http://ec.europa.eu/environment/endocrine/documents/final_report_2007.pdf (accessed 9/23/11)

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11	EU H-Statements	Authoritative	Yes	European Union List of Chemicals and their assigned GHS Hazard Statement is included in the Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP), EC 1272/2008 and subsequent amendments.	Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive Toxicity, Developmental Toxicity, Acute Mammalian Toxicity, Systemic Toxicity/Organ Effects, Neurotoxicity, Sensitization, Irritation/Corrosivity, Flammability, Reactivity, Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Ecotoxicity	[CLP] http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm (accessed 8/1/11) [ESIS Database-CLP/GHS] http://esis.jrc.ec.europa.eu/index.php?PGM=cla (accessed 10/4/11)
12	EU PBT	Authoritative	No	European Union, European Chemicals Bureau, European Chemical Substances Information System (ESIS) PBT list	PBT and vPvB: Persistence, Bioaccumulation and any of the following: ecotox and/or human tox	[ESIS Database-PBT] http://esis.jrc.ec.europa.eu/index.php?PGM=pbt (accessed 9/14/11)
13	EU R-Phrases	Authoritative	Yes	EU Risk-Phrases published in the Regulation on the Classification, Labelling and Packaging of Substances and Mixtures (CLP), EC 1272/2008 and subsequent amendments. Originally published in ECB, Annex I of Directive 67-548-EEC and subsequent amendments/adaptations, known as the Dangerous Substances Directive (DSD) or Directive on Dangerous Substances (DDS).	Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive Toxicity, Developmental Toxicity, Acute Mammalian Toxicity, Systemic Toxicity/Organ Effects, Neurotoxicity, Sensitization, Irritation/Corrosivity, Flammability, Reactivity, Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Ecotoxicity	[CLP] http://ec.europa.eu/enterprise/sectors/chemicals/classification/index_en.htm (accessed 9/14/11); [DSD] http://ec.europa.eu/environment/chemicals/dansub/home_en.htm (accessed 9/14/11)
14	EU SVHC	Authoritative	No	European Union Substances of Very High Concern	Carcinogenicity; Mutagenicity/Genotoxicity; Reproductive Toxicity; Developmental Toxicity; PBT: Persistence, Bioaccumulation, and ecotoxicity and/or human toxicity; vPvB: very persistent and very bioaccumulative, other serious concerns (e.g. Endocrine Activity)	http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp (accessed 9/14/11)

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15	G&L	Screening	No	Grandjean, P & PJ Landrigan. 2006. "Developmental neurotoxicity of industrial chemicals." The Lancet, v368: 2167-2178. List of 201 Chemicals known to be neurotoxic in humans.	Reproductive and Developmental Toxicity	[Lancet Article Abstract] http://www.thelancet.com/journals/lancet/article/PIIS01406736(06)69665-7/abstract (accessed 9/14/11); DOI: 10.1016/S0140-6736(06)69665-7
16	IARC	Authoritative	Yes	International Agency for Research on Cancer (IARC), Agents Reviewed by the IARC Monographs	Carcinogenicity	[List of Classifications] http://monographs.iarc.fr/ENG/Classification/index.php (accessed 9/14/11); [Monographs] http://monographs.iarc.fr/ (accessed 9/14/11)
17	MAK	Authoritative	No	MAK Commission of Germany; Occupational Toxicants and MAK Values: Annual Thresholds and Classifications for the Workplace	Carcinogenicity, Reproductive and Developmental Toxicity including Developmental Neurotoxicity, Sensitization	[DFG Working Group Chairs] http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html (accessed 10/4/11) 1) Professor Dr. Andrea Hartwig Karlsruher Institut für Technologie (KIT): (andrea.hartwig@kit.edu, phone: +49 721 608 47645) 2) Prof. Dr. med. Hans Drexler, Universität Erlangen-Nürnberg: (Hans.Drexler@ipasum.uni-erlangen.de, phone: +49 9131 85-22312); [Publication] List of MAK and BAT Values 2011: Maximum Concentrations and Biological Tolerance Values at the Workplace, Report 47 Deutsche Forschungsgemeinschaft (DFG) (Editor) ISBN: 978-3-527-33061-4 Paperback; 292 pages; December 2011 [Purchase from Wiley] http://www.wiley.com/WileyCDA/WileyTitle/productCd-3527330615.html (accessed 9/23/11)
18	NIOSH-C	Authoritative	Yes	National Institute of Occupational Safety and Health Carcinogen List	Carcinogenicity	http://www.cdc.gov/niosh/topics/cancer/npotocca.html (accessed 9/19/11)
19	NTP-OHAaT	Authoritative	Yes	US National Institutes of Health, National Institute of Environmental Health Sciences, National Toxicology Program (NTP), Office of Health Assessment and Translation (Formerly the Center for the Evaluation of Risks to Human Reproduction). Expert Panel Reports & Monographs on Reproductive and Developmental Toxicity.	Reproductive and Developmental Toxicity	http://ntp.niehs.nih.gov/?objectid=4980AA81-E919-4E85-60B789CA36E59FA5 (accessed 9/19/11); From NTP Homepage (http://ntp.niehs.nih.gov/), click on the "Public Health" tab on the top, then on "Office of Health Assessment and Translation" hyperlink on the left-hand side, then the "Evaluation and Workshops" hyperlink on the left-hand side (accessed 9/19/11)

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20	NTP-RoC	Authoritative	Yes	US National Institutes of Health, National Institute of Environmental Health Sciences, National Toxicology Program (NTP), Report on Carcinogens (ROC)	Carcinogenicity	http://ehis.niehs.nih.gov/roc (accessed 9/19/11)
21	NWMP Priority	Authoritative	No	US Environmental Protection Agency (EPA), National Waste Minimization Program, Priority Chemicals. This list superseded the USEPA National Waste Minimization Program Priority PBT List (a sub-set of this list).	List is mostly PBT's but provides info on other HH effects of the chemical as well. PBT includes Persistence, Bioaccumulation and any of the following: ecotox and/or human tox	[Priority Chemicals List] http://www.epa.gov/osw/hazard/wastemin/priority.htm (accessed 9/19/11); [PBT Chemicals List] http://www.epa.gov/pbt/pubs/cheminfo.htm (accessed 9/19/11)
22	OR P3	Screening	No	Oregon Department of Environmental Quality (DEQ) Priority Persistent Pollutant (P3) List, required in Senate Bill 737	PBT: Toxicity and Persistence and/or Bioaccumulation; Toxicity includes Aquatic Toxicity and/or Toxicity to Humans	[Main website with most updated list] http://www.deq.state.or.us/wq/SB737/ (accessed 9/19/11); [Final P3 List with Technical Details 2009] http://www.deq.state.or.us/wq/SB737/docs/P3LTechnicalDetailsFinal.pdf (accessed 9/19/11)
23	OSPAR	Mixed	No	OSPAR Convention For The Protection of the Marine Environment of the North-East Atlantic, List of Chemicals for Priority Action and List of Substances of Possible Concern	Persistence, Bioaccumulation, Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Carcinogenicity, Mutagenicity, Reproductive/Developmental Toxicity, Chronic mammalian toxicity, Endocrine Disruption	http://www.ospar.org/content/content.asp?menu=00950304450000_000000_000000 (accessed 9/19/11)
24	PIC	Authoritative	No	Prior Informed Consent (PIC) Convention, Annex III, from the 1998 Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade	All human health and environmental toxicity and fate endpoints	[List of Annex III Chemicals] http://www.pic.int/TheConvention/Chemicals/AnnexIIIChemicals/tabid/1132/language/en-US/Default.aspx (accessed 9/19/11); [Main Website] http://www.pic.int/ (accessed 9/19/11); click on "The Convention" tab and select "Annex III Chemicals under the subgroup "Chemicals".
25	Prop 65	Authoritative	Yes	State of California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act Of 1986) Chemicals Known to the State to Cause Cancer or Reproductive Toxicity	Carcinogenicity, Reproductive and Developmental Toxicity including Developmental Neurotoxicity	http://www.oehha.ca.gov/prop65/prop65_list/Newlist.html (accessed 9/19/11)

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26	Stockholm	Authoritative	No	United Nations Environment Programme (UNEP), Stockholm Convention Secretariat Stockholm Convention on Persistent Organic Pollutants (POPs)	Persistence, Bioaccumulation and any of the following: ecotox and/or human tox	http://chm.pops.int/Convention/ThePOPs/tabid/673/language/en-US/Default.aspx (accessed 9/19/11)
27	TEDX	Screening	No	The Endocrine Disruptor Exchange (TEDX) List of Potential Endocrine Disruptors	Endocrine Activity	http://www.endocrinedisruption.org/endocrine.TEDXList.Overview.php (accessed 9/19/11)
28	TRI PBT	Authoritative	No	US Environmental Protection Agency (EPA), Toxics Release Inventory (TRI) Program, "TRI PBT Chemical List"	Persistence, Bioaccumulation, Acute Aquatic Toxicity	http://www.epa.gov/tri/trichemicals/pbt%20chemicals/pbt_chem_list.htm (accessed 9/19/11)
29	WA PBT	Screening	No	State of Washington, Department of Ecology, Chapter 173-333 WAC Persistent Bioaccumulative Toxins	Persistence, Bioaccumulation and any of the following: ecotox and/or human tox	http://www.ecy.wa.gov/programs/swfa/pbt/list.html (accessed 9/19/11); http://apps.leg.wa.gov/WAC/default.aspx?cite=173-333-310 (accessed 9/19/11)
30	WHMIS	Screening	No	Workplace Hazardous Materials Information System: Controlled Product as defined by the hazard criteria set out in Part IV of the Controlled Product Regulations (Canada)	Carcinogenicity, Mutagenicity/Genotoxicity, Reproductive and Developmental Toxicity, Sensitization, Systemic Toxicity/Organ Effects, Irritation/Corrosivity, Reactivity, Flammability	[Classification of Chemical Substances] http://www.reptox.csst.qc.ca/Documents/SIMDUT/ListeAng/Htm/ListeAng01.htm (accessed 9/19/11); [Health Canada Site] http://www.hc-sc.gc.ca/ewh-semtravail/whmis-simdut/index-eng.php
31	GHS - [COUNTRY]*	Screening	No	Refers to country-specific lists of chemicals classified using the Globally Harmonized System of Classification and Labeling. As of Sept 2011 the countries with published lists include the European Union, Japan, Korea, and New Zealand. Additional GHS country-specific classifications will be added as they become available. The EU country specific list is displayed separately as "EU H-statements". All others fall into this category.	All endpoints including human health, ecotoxicity, fate and physical hazard endpoints.	[OECD Report on the public availability of national/regional GHS classification July 2011] http://www.oecd.org/dataoecd/44/61/48449945.pdf (accessed 9/19/11) [OECD Website-Public availability of national/regional GHS classifications] http://www.oecd.org/document/49/0,3746,en_2649_3437_9_48733617_1_1_1_1,00.html (accessed 10/4/11)
32	GHS - Japan	Screening	No	Japanese List of Chemicals and their assigned GHS Classification.	All endpoints including human health, ecotoxicity, fate and physical hazard endpoints.	[GHS Classification Results] http://www.safe.nite.go.jp/english/ghs_index.html#results (accessed 9/19/11)

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33	GHS - Korea	Screening	No	Korean List of Chemicals and their assigned GHS Classification.	All human health and physical hazard endpoints.	[New Chemical Notifications] http://ncis.nier.go.kr/newchem/eng (accessed 10/4/11) [Database in Korean] http://ncis.nier.go.kr/ghs/ (accessed 9/19/11, in Korean, only registered users can search)
34	GHS - New Zealand	Screening	No	New Zealand List of Chemicals and their assigned GHS Classification.	All endpoints including human health, ecotoxicity, fate and physical hazard endpoints.	[Hazardous Substances and New Organisms (HSNO) regulations Chemical Classification and Information Database (CCID)] http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx (accessed 9/19/11); [Correlation between GHS and HSNO Classification] http://www.epa.govt.nz/Publications/hsnogen-ghs-nz-hazard.pdf (accessed 9/19/11); [Hazardous Substances and New Organisms Act] http://www.legislation.govt.nz/act/results.aspx?search=ts_act_Hazardous+Substances+New+Organisms_noresel&p=1 (accessed 9/19/11)
35	SIN	Screening	No	International Chemical Secretariat (ChemSec) Substitute it Now (SIN) List; SIN List 2.0 Available 2011	Carcinogenicity; Mutagenicity/Genotoxicity; Reproductive Toxicity; Developmental Toxicity; PBT: Persistence, Bioaccumulation, and ecotoxicity and/or human toxicity; vPvB: very persistent and very bioaccumulative, other serious concerns (e.g. Endocrine Activity)	http://www.chemsec.org/list/sin-database (accessed 9/19/11)
36	VwVwS	Screening	No	German Federal Environment Agency, Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes (Verwaltungsvorschrift wassergefahrdende Stoffe - VwVwS)	Any combination of the following: Acute Toxicity, Systemic Toxicity/Organ Effects, Carcinogenicity, Reproductive Toxicity, Developmental Toxicity, Acute Aquatic Toxicity, Chronic Aquatic Toxicity, Persistence, Bioaccumulation. Any combination results in Classification of 0-3.	[Database of Chemicals and Classifications] http://webrigoletto.uba.de/rigoletto/public/searchRequest.do;jsessionid=88A1AE1DEE0223CFE7DD76B71FE35F67?event=request (accessed 9/19/11); [Information] http://webrigoletto.uba.de/rigoletto/public/downloadShow.do?event=show&rubric=5 ; http://www.umweltbundesamt.de/wgs-e/wgs-down.htm#a1-2 (accessed 9/19/11);

*Note: The Green Screen List of Lists includes all publically accessible published lists of chemicals classified using the Globally Harmonized System of Classification and Labeling and published by an authoritative governmental organization of a country. Country-specific GHS lists may be published by specifying GHS Categories or GHS H-statements for a group of chemicals. As of July 2011, the countries with published lists include the European Union, Japan, Korea, and New Zealand.