



## **HAZARD COMMUNICATION REFERENCES**

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Communication (SCHC)**

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**Compiled by the Hazcom Resource Committee of SCHC**

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## Introduction

- Purpose** To create a list of references that will aid in the creation of hazard communication documents.
- Disclaimer** Inclusion of the sources listed is for information purposes only. It does not constitute a recommendation or endorsement of any kind. The user must determine the suitability of any reference materials for their purposes.
- How Resources Were Obtained** The specific sources listed are based on personal knowledge of committee members or other SCHC members, or upon information that was obtained by reviewing the available resources and literature.
- Submission of Additional Resources** Individuals interested in submitting a resource for future updates should send the information to the Hazard Communication Resource Committee, SCHC, as noted at the top of Page 1, above. Also see the last page of this document.

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## **MSDS SECTIONS (ANSI STANDARD – 2004)**

### MSDS SECTIONS (ANSI standard - 2004)

Section 1: Product and Company Identification

Section 2: Hazards Identification

Section 3: Composition/Information on Ingredients

Section 4: First Aid Measures

Section 5: Fire Fighting Measures

Section 6: Accidental Release Measures

Section 7: Handling and Storage

Section 8: Exposure Controls/Personal Protection

Section 9: Physical and Chemical Properties

Section 10: Stability and Reactivity

Section 11: Toxicology Information

Section 12: Ecological Information

Section 13: Disposal Considerations

Section 14: Transport Information

Section 15: Regulatory Information

Section 16: Other Information

## OVERVIEW: WHERE REFERENCES ARE USED

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
3M, Respirator Select								X									X
29 CFR 1910.1200 (and Appendices) Hazard Communication (OSHA MSDS Guidance)	X	X	X	X	X	X	X	X	X	X	X						X
29 CFR 1910.1001 to 1096 OSHA Carcinogens		X									X						X
29 CFR 1910.1000 to 1096, Subpart Z – Toxic and Hazardous Substances (OSHA Airborne Exposure Limits)								X									
29 CFR 1910.133 Eye and Face Protection					X			X									
40 CFR 302.4 CERCLA Regulations – List of Hazardous Substances and Reportable Quantities (RQ)																X	
40 CFR 355, App. A & B [SARA TITLE III Section 302] – List of Extremely Hazardous Substances and their Threshold Planning Quantities (TPQ)																X	
40 CFR 370.4 SARA TITLE III Sections 311 & 312 - Hazard categories & reporting triggers																X	
40 CFR 372.65 SARA Title III (Section 313) – List of Extremely Hazardous Substances and their Threshold Planning Quantities (TPQ)																X	
40 CFR 700-799 TSCA Regulations																X	
Agrochemicals Desk Reference: Environmental Data												X					
American Chemical Society CAS National Chemical Inventory			X													X	
Ansell Edmont Chemical Resistance Guide					X			X									
ANSI Z87.1 American National Standard Practice for Occupational and Educational Eye and Face Protection					X			X									
ANSI Z88.2 Recommended Practice for Respiratory Protection (Lapsed in 2002; see the section below “Reference Citations with Alternate Sources” for details.)					X			X									
ANSI Z129.1 Hazardous Industrial Chemicals-Precautionary Labeling																	X
ANSI Z400.1 Hazardous Industrial Chemicals-MSDSs-Preparation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
AQUIRE. Aquatic Information Retrieval online database						X						X	X				
Ariel Insight		X	X					X						X	X		X
ATSDR Medical Management Guidelines				X													
ATSDR - ToxFAQs											X						
ATSDR – Tox Profiles											X						
Australian Hazardous Substance Information System (hazard classification, R&S phrases -similar to or identical to the European Union classifications)															X		

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
Australian Inventory of Chemical Substances (AICS)															X		
Australian Transport of Dangerous Goods Regulations														X			
Basic Physiology and Anatomy		X									X						X
Best Manufacturing Company's Comprehensive Guide to Chemical Resistant Best Gloves,								X									
Book of Chemical Lists		X													X		
California Proposition 65		X													X		
Canadian Domestic Substance List & Non-domestic Substance List (DSL & NDSL)															X		
Canadian Ingredient Disclosure List			X												X		X
Canadian Transport of Dangerous Goods Regulations (TDG)														X			
Canadian Workplace Hazardous Materials Identification System (WHMIS)		X													X		X
CAS On-Line Registry File			X												X		
Casarett and Doull's Toxicology		X									X						X
CCOHS MSDS Database	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
CESARS (Chemical Evaluation Search Retrieval System)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CHEMBANK		X			X	X	X	X	X	X	X	X	X	X		X	X
CHEMFATE (Environmental Fate Data Bases)												X					
Chemical Hazard Response Information System (CHRIS)		X			X	X	X		X	X	X	X	X	X		X	X
Chemical Protective Clothing Performance Index Book					X			X									
Chemical Protective Clothing, Daniel H. Anna, PhD, editor					X			X									
Chemicals in the Environment: OPPT Chemical Fact Sheets												X					
CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services											X				X		
CHEMLIST			X												X		
CHEMTOX Chemical Data			X		X	X	X	X	X	X			X	X		X	
Chinese Chemical Inventory															X		
CIR (Cosmetic Ingredient Review [CTFA])									X		X						
Clinical Toxicology of Commercial Products			X								X						X
Code for the Manufacture and Storage of Aerosol Products, NFPA 30B		X			X												
Condensed Chemical Dictionary		X							X							X	
Dangerous Chemical Reactions					X	X	X			X			X				
Dangerous Properties of Industrial Materials		X			X	X	X	X	X	X			X	X		X	X
DATALOG												X					
Dermatotoxicology		X									X						X
Design of Industrial Ventilation Systems					X			X									
Documentation of the Threshold Limit Values and Biological Exposure Indices, ACGIH		X	X					X		X							X
Drinking Water Criteria Documents						X						X	X				

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
ECDIN (see Environmental Chemicals and Data and Information Network)																	
ECOTOX Database, US EPA												X					
Ecotoxicity of Chemicals to Amphibians, Handbooks of Ecotoxicological Data, Volume 1												X					
Ecotoxicity of Chemicals to Photobacterium Phosphoreum, Handbooks of Ecotoxicological Data, Volume 2												X					
Ecotoxicology of Organic Contaminants												X					
e-Medicine				X													
Emergency Responder / First Responder				X	X	X											
Encyclopedia of Chemical Technology		X			X	X	X		X	X			X				
Environmental Chemicals Data and Information Network (ECDIN) (site down since February, 2002)												X					
Environmental Contaminant Reference Databook, Volumes I-III						X						X	X				
Environmental Health Criteria Series						X						X	X				
EPA – Chemical Information Collection and Data Development												X					
EPA – Envirofacts Master Chemical Integrator (EMCI)												X					
EPA - Substance Registry System															X		
EPA – TSCA 8(e) (Triage Chemical Studies Database) – Older information												X					
EPA – TSCA 8(e) (Triage Chemical Studies Database – 2000-2005)												X					
European Chemicals Bureau – European Chemical Substance Information System															X		
European Community (EC) Carcinogen Classification		X										X					X
European Community (EC) Classifications, Symbols, Risk & Safety Phrases		X										X			X		X
European Community (EC) Indicative Exposure Limits								X									
European Inventory of Existing Commercial Chemical Substances (EINECS/ELINCS)															X		
Explosibility of Metal Powders					X				X								
EXTOXNET Pesticide Information Profiles (PIPs)													X				
Fire Fighters' Handbook of Hazardous Materials			X		X	X	X			X			X				
Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704			X		X	X	X	X	X					X		X	X
First Responder, a Skills Approach				X	X	X											
Fisher Scientific MSDSs		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
Florida Substance List															X		
Fundamentals of Industrial Hygiene			X		X			X									
General and Applied Toxicology, Volumes I and II		X										X					X
Germany Carcinogen Classification		X										X					X
Germany Exposure Limits (TRGS 900)								X									
Goldfrank's Toxicologic Emergencies				X													

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
Groundwater Chemicals Desk Reference						X						X	X				
Guide To Industrial Respiratory Protection					X			X									
Guide to Occupational Exposure Values								X									
Guide to Protective Clothing					X			X									
Guidelines for Selection of Chemical Protective Clothing					X			X									
Handbook of Acute Toxicity of Chemicals to Fish and Aquatic Invertebrates												X					
Handbook of Chemical Property Estimation Methods, Environmental Behavior of Organic Compounds						X						X	X				
Handbook of Chemistry and Physics									X								
Handbook of Ecotoxicology, Volume 1 – Calow												X					
Handbook of Ecotoxicology, Volume 2 – Calow												X					
Handbook of Ecotoxicology, 2 <sup>nd</sup> Edition – Hoffman, et al												X					
Handbook of Environmental Data on Organic Chemicals												X					
Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol I: Large Production & Priority Pollutants												X					
Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol II: Solvents												X					
Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol III: Pesticides												X					
Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Volume IV: Solvents 2												X					
Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Volume V: Solvents 3												X					
Handbook of Reactive Chemical Hazards		X			X	X	X			X			X				
Handbook of Toxic and Hazardous Chemicals and Carcinogens		X			X	X	X			X			X				
Handbook on the Toxicology of Metals, Vol. I & II		X										X					X
Handbook on Toxicity of Inorganic Compounds		X										X					X
Hazardous Chemicals Database												X					
Hazardous Chemicals Desk Reference		X			X	X	X	X	X	X			X	X		X	X
Hazardous Materials Identification System (HMIS)																X	X
Hazardous Substances Databank (HSDB®)		X	X	X	X			X	X		X	X			X		
HAZARTEXT®				X								X					
Hazox																X	
Illustrated Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals Volumes 1, 2 & 3						X						X	X				
Industrial Hygiene and Toxicology		X	X		X			X			X						X
Industrial Hygiene Engineering					X			X									
International Chemical Safety Cards		X		X				X	X								
International Labor Organization (ILO)																X	
IUCLID		X										X					
J.T. Baker Material Safety Data Sheets	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
Japanese Ministry of International Trade & Industry (MITI) Existing & New Chemical Substances List															X		
Korean Carcinogen Classification		X									X						X
Korean Existing Chemical List (ECL)															X		
Korean Exposure Limits								X									
Label Master														X			X
Levels of Protection Guidelines					X			X									
LOLI®		X	X		X	X	X	X	X					X	X	X	X
MAPA Professional Chemical Resistance Guide (gloves)								X									
Massachusetts Substance List															X		
The Material Safety Data Sheet - A Practical Guide to First Aid				X													
Material Safety Data Sheets (MSDSs)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Medical Toxicology		X									X						X
MeisterPro Crop Protection Handbook					X	X		X				X	X				
The Merck Index		X			X	X	X	X	X		X			X		X	X
Michigan Critical Materials List															X		
Monographs on the Evaluation of Carcinogenic Risks to Humans, IARC		X									X						X
MSA Response® Respirator Selection Guide								X									
National Library of Medicine – Gateway Search											X						
National Library of Medicine – Specialized Information Services											X						
National Toxicology Program (NTP) – CEHR Reports and Monographs		X									X						
National Toxicology Program (NTP) Carcinogenicity Reports		X									X						X
National Toxicology Program (NTP) Long term toxicity reports											X						
New Jersey Hazardous Substance Fact Sheets		X		X	X	X	X	X	X	X	X		X			X	X
New Jersey Right to Know Hazardous Substance List															X		X
NFPA 480 Standard for the Storage, Handling and Processing of Magnesium Solids and Powders					X				X								
Industrial Ventilation: A Manual of Recommended Practice					X			X									
Industrial Ventilation: Engineering Principles					X			X									
Integrated Risk Information System (IRIS)		X									X						
NFPA 481 Standard for the Storage, Handling and Processing of Titanium					X				X								
NFPA 482 Standard for the Storage, Handling and Processing of Zirconium					X				X								
NFPA 485 Standard for the Storage, Handling, Processing and Use of Lithium Metal					X				X								
NFPA 497 Classification of Gases, Vapors and Dusts for Electrical Equipment in Hazardous (Classified) Locations					X				X								

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
NFPA 499 Recommendations Practice for the Classification of Combustible Dusts in Hazardous (Classified) Locations					X				X								
NFPA 651 Standard for the Manufacture of Aluminum Powder					X				X								
NIOSH - Advanced search (NIOSHTIC-2, other databases, and web page)		X						X									
NIOSH Recommendations for Chemical Protective Clothing,								X									
NIOSH Interim Recommendations for the Selection and Use of Protective Clothing and Respirators Against Biological Agents								X									
North American Emergency Response Guidebook		X			X	X							X				
OHS Safety Series	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)		X	X		X	X	X	X	X	X	X	X	X	X		X	X
OSHA Hazard Communication Standard. HAZCOM Program				X													
OSHA Safety and Health Topics - Medical and First Aid				X													
OSHLINE with NIOSHTIC											X						
Pennsylvania Right-to-Know			X												X		
Perry's Chemical Engineers' Handbook							X										X
Personal Protective Equipment – PPE Topic Web Page					X			X									
Personal Protective Equipment – Respirator Protection Topic Web Page					X			X									
Pesticide Fact Handbook, Volume 1						X						X	X				
Pesticide Fact Handbook, Volume 2						X						X	X				
The Pesticide Manual						X						X	X				
The Pharmacological Basis of Therapeutics	X										X						X
Pharmacology & Toxicology: Basic and Clinical Aspects	X										X						X
Philippines Chemical Inventory (PICCS)															X		
Pocket Guide to Chemical Hazards	X	X	X	X	X	X	X	X	X	X	X	X	X				X
Poisoning & Toxicology Handbook	X										X						X
A Practical Guide to Chemical Spill Response					X	X							X				
Practical Guide to Respirator Usage in Industry					X			X									
Proctor and Hughes' Chemical Hazards of the Workplace					X			X									
Pub Med											X						
Quick Selection Guide to Chemical Protective Clothing					X			X									
Rapid Guide to Hazardous Chemicals in the Workplace		X			X	X	X			X			X				X
Registry of Toxic Effects of Chemical Substances (RTECS)		X	X					X			X						X
Respiratory Protection: A Manual and Guideline					X			X									
Sigma-Aldrich Material Safety Data Sheets	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X

References	MSDS Sections																Warning
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Label
Solid and Hazardous Waste Management Regulations (40CFR 260-263)													X				
Solutions Software															X		
Superfund Hotline					X	X							X				
Supplier's Guide to WHMIS															X		
<del>Suspect Chemical Sourcebook</del> (discontinued)																	
Threshold Limit Values and Biological Exposure Indices, ACGIH								X									
TOMES® Plus		X	X		X	X	X	X	X	X	X	X	X	X		X	
ToxFAQs												X					
Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1985 Edition																X	
Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1990 supplement																X	
Toxicity Summaries		X									X						X
Toxicology of the Eye		X									X						
Toxicology Profiles		X				X					X	X	X				
TOXLINE		X									X						
TOXNET		X									X						
Transportation Regulations: ADR/RID																X	
Transportation Regulations: IATA																X	
Transportation Regulations: IMDG																X	
Transportation Regulations: TDG																X	
Transportation Regulations: USDOT																X	
TSCA 12(b) – Annual and One-time Export Notification Substance (53 FR 10206; 56 FR 21802,49863; 58 FR 63148; 59 FR 11122, 23041,49373)																X	
TSCATS											X						
United Kingdom Exposure Limits								X									
U.S. Army Environmental Database (ERED)												X					
U. S. Code <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a>	X	X	X	X	X	X	X	X	X	X	X				X		X
U.S. Code of Federal Regulations		X	X					X						X	X		
U.S. Federal Register		X	X					X						X	X		
Ventilation for Control of the Work Environment					X			X									
Vermont SIRI Web Page		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WHMIS Core Manual															X		
Workplace Environment Exposure Limits (WEELs)								X									

## HAZARD COMMUNICATION TOPICS AND REFERENCES

Topic	References
Accidental Release Measures	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHRIS</li> <li>• First Responder, a Skills Approach</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• HAZARDTEXT®</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Acute Health Data	<ul style="list-style-type: none"> <li>• CCOHS MSDS Database</li> <li>• CESARS</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• CIR (Cosmetic Ingredient Review [CTFA])</li> <li>• Documentation of the Threshold Limit Values and Biological Exposure Indices, ACGIH</li> <li>• EPA – Chemical Information Collection and Data Development</li> <li>• EPA – TSCA 8(e) – Older information</li> <li>• EPA – TSCA 8(e) –2000-2005</li> <li>• European Community (EC) Classifications, Symbols, Risk &amp; Safety Phrases</li> <li>• Handbook of Toxic and Hazardous Chemicals and Carcinogens</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• IUCLID</li> <li>• LOLI®</li> <li>• The Merck Index</li> <li>• National Library of Medicine – Gateway Search</li> <li>• National Library of Medicine – Specialized Information Services</li> <li>• National Toxicology Program (NTP) – CEHR Reports and Monographs</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• NIOSH - Advanced search (NIOSHTIC-2, other databases, and web page)</li> <li>• OSHLINE with NIOSHTIC</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> </ul>

Topic	References
Acute Health Data (continued)	<ul style="list-style-type: none"> <li>• OSHLINE with NIOSHTIC</li> <li>• OSHLINE</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Pub Med</li> <li>• RTECS</li> <li>• TOMES® Plus</li> <li>• Toxicity Summaries</li> <li>• Toxicology Profiles</li> <li>• TOXLINE</li> <li>• TOXNET Data Files</li> <li>• TSCATS</li> </ul>
Acute Health Hazards	<ul style="list-style-type: none"> <li>• Basic Physiology and Anatomy</li> <li>• Casarett and Doull's Toxicology</li> <li>• CESARS</li> <li>• Clinical Toxicology of Commercial Products</li> <li>• Dermatotoxicology</li> <li>• General and Applied Toxicology, Volumes I and II</li> <li>• Handbook on the Toxicology of Metals, Vol. I &amp; II</li> <li>• Handbook on Toxicity of Inorganic Compounds</li> <li>• Industrial Hygiene and Toxicology</li> <li>• Medical Toxicology</li> <li>• The Pharmacological Basis of Therapeutics</li> <li>• Pharmacology &amp; Toxicology: Basic and Clinical Aspects</li> <li>• Poisoning &amp; Toxicology Handbook</li> <li>• Toxicology of the Eye</li> <li>• Toxicology Profiles</li> </ul>
Airborne Exposure Limits	<ul style="list-style-type: none"> <li>• 29 CFR 1910.1000 to 1096, Subpart Z – Toxic and Hazardous Substances (OSHA Airborne Exposure Limits)</li> <li>• Ariel Insight</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Chemtox Chemical Data</li> <li>• Documentation of the Threshold Limit Values and Biological Exposure Indices, ACGIH</li> <li>• European Community (EC) Indicative Exposure Limits</li> <li>• Fundamentals of Industrial Hygiene</li> <li>• Germany Exposure Limits (TRGS 900)</li> <li>• Guide to Occupational Exposure Values</li> <li>• Industrial Hygiene and Toxicology</li> <li>• International Chemical Safety Cards</li> <li>• Korean Exposure Limits</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• RTECS</li> </ul>

Topic	References
Airborne Exposure Limits (continued)	<ul style="list-style-type: none"> <li>• Threshold Limit Values and Biological Exposure Indices, ACGIH</li> <li>• TOMES® Plus</li> <li>• United Kingdom Exposure Limits</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> </ul>
Autoignition Data	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• CHEMTOX Chemical Data</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• The Merck Index</li> <li>• TOMES® Plus</li> </ul>
Chemical Inventory Lists – see Country Inventories, by country name	<ul style="list-style-type: none"> <li>•</li> </ul>
Chemical Names & CAS Numbers	<ul style="list-style-type: none"> <li>• American Chemical Society CAS National Chemical Inventory CD-ROM</li> <li>• CAS On-Line Registry File</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• CHEMLIST</li> <li>• The <b>EPA Substance Registry System (SRS)</b> is the successor of the Chemical Registry System, Screening Information System/LAN, and the Register of Lists (among others), the EPA Substance Registry System (SRS) provides information on substances and how they are represented in the EPA regulations and information systems. <a href="http://www.epa.gov/srs/">www.epa.gov/srs/</a></li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• RTECS</li> </ul>
Chemical Product & Company ID	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>

Topic	References
Chemicals & Conditions to Avoid	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHEMTOX Chemical Data</li> <li>• CHRIS</li> <li>• Dangerous Chemical Reactions</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Fire Fighters' Handbook of Hazardous Materials</li> <li>• Handbook of Reactive Chemical Hazards</li> <li>• Handbook of Toxic and Hazardous Chemicals and Carcinogens</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Rapid Guide to Hazardous Chemicals in the Workplace</li> <li>• TOMES® Plus</li> </ul>
Chemical Properties – see Physical and Chemical Properties	<ul style="list-style-type: none"> <li>•</li> </ul>
Chronic Health Data	<ul style="list-style-type: none"> <li>• 29 CFR 1910.1001 to 1096 OSHA Carcinogens</li> <li>• CCOHS MSDS Database</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• CIR (Cosmetic Ingredient Review [CTFA])</li> <li>• Clinical Toxicology of Commercial Products</li> <li>• Documentation of the Threshold Limit Values and Biological Exposure Indices, ACGIH</li> <li>• EPA – Chemical Information Collection and Data Development</li> <li>• EPA – TSCA 8(e) – Older information</li> <li>• EPA – TSCA 8(e) –2000-2005</li> <li>• European Community (EC) Carcinogen Classification</li> <li>• European Community (EC) Classifications, Symbols, Risk &amp; Safety Phrases</li> <li>• Germany Carcinogen Classification</li> <li>• Handbook of Toxic and Hazardous Chemicals and Carcinogens</li> <li>• Handbook on the Toxicology of Metals, Vol. I &amp; II</li> <li>• Handbook on Toxicity of Inorganic Compounds</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• Integrated Risk Information System (IRIS)</li> <li>• IUCLID</li> <li>• Korean Carcinogen Classification</li> </ul>

Topic	References
Chronic Health Data (continued)	<ul style="list-style-type: none"> <li>• LOLI®</li> <li>• The Merck Index</li> <li>• Monographs on the Evaluation of Carcinogenic Risks to Humans, IARC</li> <li>• National Toxicology Program (NTP) – CEHR Reports and Monographs</li> <li>• National Toxicology Program (NTP) Long term toxicity reports</li> <li>• National Toxicology Program (NTP) Report on Carcinogens</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• OSHLINE with NIOSHTIC</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• RTECS</li> <li>• TOMES® Plus</li> <li>• Toxicity Summaries</li> <li>• Toxicology Profiles</li> <li>• TOXLINE</li> <li>• TOXNET Data Files - A family of databases and tools to help users search for chemical information in TOXNET. <a href="http://sis.nlm.nih.gov/Chem/ChemMain.html">http://sis.nlm.nih.gov/Chem/ChemMain.html</a></li> <li>• TSCATS</li> <li>• U. S. Code <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> </ul>
Chronic Health Hazards	<ul style="list-style-type: none"> <li>• Basic Physiology and Anatomy</li> <li>• Casarett and Doull's Toxicology</li> <li>• General and Applied Toxicology, Volumes I and II</li> <li>• Industrial Hygiene and Toxicology</li> <li>• Medical Toxicology</li> <li>• The Pharmacological Basis of Therapeutics</li> <li>• Pharmacology &amp; Toxicology: Basic and Clinical Aspects</li> <li>• Poisoning &amp; Toxicology Handbook</li> </ul>
Clean-up and spill procedures	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• First Responder, a Skills Approach</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• HAZARDTEXT®</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• North American Emergency Response Guidebook</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• A Practical Guide to Chemical Spill Response</li> <li>• Superfund Hotline</li> </ul>

Topic	References
Clean-up and spill procedures (continued)	<ul style="list-style-type: none"> <li>• TOMES® Plus</li> </ul>
Composition, Information on Ingredients	<ul style="list-style-type: none"> <li>• Canadian Ingredient Disclosure List</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• EPA Substance Registry System</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Country Inventories: All	<ul style="list-style-type: none"> <li>• American Chemical Society CAS National Chemical Inventory</li> <li>• Ariel Insight</li> <li>• CAS On-line Registry File</li> <li>• CHEMLIST</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> </ul>
Country Inventories: Australia (AICS)	<ul style="list-style-type: none"> <li>• Australian Inventory of Chemical Substances (AICS) Search</li> <li>• LOLI®</li> </ul>
Country Inventories: Canada (DSL & NDSL)	<ul style="list-style-type: none"> <li>• Canadian Domestic Substance List &amp; Non-domestic Substance List</li> <li>• Solutions Software</li> <li>• LOLI®</li> </ul>
Country Inventories: China	<ul style="list-style-type: none"> <li>• Chinese Chemical Inventory</li> <li>• LOLI®</li> </ul>
Country Inventories: European Union (EINECS/ELINCS)	<ul style="list-style-type: none"> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• European Chemicals Bureau – European Chemical Substance Information System</li> <li>• European Inventory of Existing Commercial Chemical Substances (EINECS/ELINCS)</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Solutions Software</li> </ul>
Country Inventories: Japan (MITI)	<ul style="list-style-type: none"> <li>• American Chemical Society CAS National Chemical Inventory</li> <li>• Ariel Insight</li> <li>• Japanese Ministry of International Trade &amp; Industry (MITI) Existing &amp; New Chemical Substances List</li> <li>• LOLI®</li> </ul>
Country Inventories: Korea (ECL)	<ul style="list-style-type: none"> <li>• American Chemical Society CAS National Chemical Inventory</li> <li>• Ariel Insight</li> <li>• CHEMLIST</li> <li>• Korean Existing Chemical List (ECL)</li> <li>• LOLI®</li> </ul>
Country Inventories: Philippines (PICCS)	<ul style="list-style-type: none"> <li>• Ariel Insight</li> </ul>

Topic	References
Country Inventories: Philippines (PICCS) (continued)	<ul style="list-style-type: none"> <li>• LOLI®</li> <li>• Philippines Chemical Inventory (PICCS)</li> </ul>
Country Inventories: US (TSCA)	<ul style="list-style-type: none"> <li>• American Chemical Society CAS National Chemical Inventory</li> <li>• CAS On-Line Registry File</li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• CHEMLIST</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Solutions Software</li> <li>• Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1985 Edition</li> <li>• Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1990 supplement</li> <li>• A searchable CD-Rom version of the TSCA Inventory, including SARA Title III data, is available through NTIS, and by calling NTIS at (703)487-4650 or 1-800-553-NTIS. An extract of the TSCA Inventory is also available from the Cornell University web site: <a href="http://msds.pdc.cornell.edu/tscasrch.asp">http://msds.pdc.cornell.edu/tscasrch.asp</a></li> </ul>
Disposal Considerations	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Superfund Hotline</li> <li>• Vermont SIRI Web Page</li> </ul>
Dust Explosivity Data	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Dust Explosions: Course, Prevention, Protection</li> <li>• Dust Explosions in the Process Industries</li> <li>• Explosibility of Metal Powders</li> <li>• NFPA 480 Standard for the Storage, Handling and Processing of Magnesium Solids and Powders</li> <li>• NFPA 481 Standard for the Storage, Handling and Processing of Titanium</li> <li>• NFPA 482 Standard for the Storage, Handling and Processing of Zirconium</li> <li>• NFPA 485 Standard for the Storage, Handling, Processing and Use of Lithium Metal</li> <li>• NFPA 497 Classification of Gases, Vapors and Dusts for Electrical Equipment in Hazardous (Classified) Locations</li> </ul>

Topic	References
Dust Explosivity Data (continued)	<ul style="list-style-type: none"> <li>• NFPA 499 Recommendations Practice for the Classification of Combustible Dusts in Hazardous (Classified) Locations</li> <li>• NFPA 651 Standard for the Manufacture of Aluminum Powder</li> <li>• NFPA 654 Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical and Plastics Industries</li> </ul>
Ecological Information	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMFATE (Environmental Fate Data Bases)</li> <li>• Chemicals in the Environment: OPPT Chemical Fact Sheets</li> <li>• DATALOG</li> <li>• ECOTOX Database, US EPA</li> <li>• Environmental Chemicals Data and Information Network (ECDIN) (site down since February, 2002)</li> <li>• EPA – Envirofacts Master Chemical Integrator (EMCI)</li> <li>• EXTOXNET Pesticide Information Profiles (PIPs)</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Chemicals Database</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• HAZARTEXT®</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• ToxFAQs</li> <li>• TOXLINE</li> <li>• TOXNET Data Files</li> <li>• Vermont SIRI Web Page</li> </ul>
Environmental Hazard Data	<ul style="list-style-type: none"> <li>• Agrochemicals Desk Reference: Environmental Data</li> <li>• AQUIRE. Aquatic Information Retrieval online database</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Ecotoxicity of Chemicals to Amphibians, Handbooks of Ecotoxicological Data, Volume 1</li> <li>• Ecotoxicity of Chemicals to Photobacterium Phosphoreum, Handbooks of Ecotoxicological Data, Volume 2</li> <li>• Ecotoxicology of Organic Contaminants</li> <li>• Environmental Contaminant Reference Databook, Volumes I- III</li> <li>• EPA – Envirofacts Master Chemical Integrator (EMCI)</li> <li>• Handbook of Acute Toxicity of Chemicals to Fish and Aquatic Invertebrates</li> <li>• Handbook of Ecotoxicology, Volume 1 – Calow</li> </ul>

Topic	References
Environmental Hazard Data (continued)	<ul style="list-style-type: none"> <li>• Handbook of Ecotoxicology, Volume 2 – Calow</li> <li>• Handbook of Ecotoxicology, 2<sup>nd</sup> Ed, Hoffman, et al</li> <li>• Handbook of Environmental Data on Organic Chemicals</li> <li>• Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol I: Large Production &amp; Priority Pollutants</li> <li>• Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol II: Solvents</li> <li>• Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Vol III: Pesticides</li> <li>• Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Volume IV: Solvents 2</li> <li>• Handbook of Environmental Fate and Exposure Data For Organic Chemicals. Volume V: Solvents 3</li> <li>• Illustrated Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals Volumes 1, 2 &amp; 3</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• MeisterPro Crop Protection Handbook</li> <li>• OHS Safety Series</li> <li>• TOMES® Plus</li> <li>• Toxicology Profiles</li> <li>• TOXLINE</li> <li>• TOXNET Data Files</li> <li>• U.S. Army Environmental Database (ERED)</li> </ul>
Environmental Hazards	<ul style="list-style-type: none"> <li>• AQUIRE. Aquatic Information Retrieval online database</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• Drinking Water Criteria Documents</li> <li>• Environmental Contaminant Reference Databook, Volumes I</li> <li>• Environmental Contaminant Reference Databook, Volumes II</li> <li>• Environmental Health Criteria Series</li> <li>• Groundwater Chemicals Desk Reference</li> <li>• Handbook of Chemical Property Estimation Methods, Environmental Behavior of Organic Compounds</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• Illustrated Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals Volumes 1, 2 &amp; 3</li> <li>• MeisterPro Crop Protection Handbook</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> </ul>

Topic	References
Environmental Hazards (continued)	<ul style="list-style-type: none"> <li>• Pesticide Fact Handbook, Volume 1</li> <li>• Pesticide Fact Handbook, Volume 2</li> <li>• The Pesticide Manual</li> <li>• TOMES® Plus</li> <li>• Toxicology Profiles</li> <li>• TOXNET Data Files</li> </ul>
Exposure Controls, Personal Protection	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• NIOSH - Advanced search (NIOSH TIC-2, other databases, and web page)</li> <li>• OHS Safety Series</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Exposure Symptoms	<ul style="list-style-type: none"> <li>• International Chemical Safety Cards</li> </ul>
Fire Fighting Measures	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHRIS</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
First Aid Measures	<ul style="list-style-type: none"> <li>• CCOHS MSDS Database</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• <del>Clinical Toxicology of Commercial Products</del> (excellent resource for hazards, but unfortunately no longer reflects the current approach to first aid)</li> <li>• e-Medicine</li> <li>• Emergency Responder / First Responder</li> <li>• Fisher Scientific MSDSs</li> <li>• Goldfrank's Toxicologic Emergencies</li> <li>• HAZARTEXT®</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• International Chemical Safety Cards</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• The Material Safety Data Sheet - A Practical Guide to First Aid</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> </ul>

Topic	References
First Aid Measures (continued)	<ul style="list-style-type: none"> <li>• OHS Safety Series</li> <li>• OSHA Hazard Communication Standard. HAZCOM Program</li> <li>• OSHA Safety and Health Topics - Medical and First Aid</li> <li>• The Pharmacological Basis of Therapeutics</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Toxicology of the Eye</li> </ul>
Flash Point Data	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• CHEMTOX Chemical Data</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• The Merck Index</li> <li>• TOMES® Plus</li> </ul>
Gloves – see Protective Equipment	
Hazard Classifications	<ul style="list-style-type: none"> <li>• (Australia &amp; EU hazard class, R&amp;S phrases) – Australia Hazardous Substance Information System</li> </ul>
Hazards Identification	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHRIS</li> <li>• Encyclopedia of Chemical Technology</li> <li>• Fisher Scientific MSDSs</li> <li>• Handbook of Reactive Chemical Hazards</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• International Chemical Safety Cards</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• New Jersey Hazardous Substances Fact Sheets</li> <li>• NIOSH - Advanced search (NIOSHTIC-2, other databases, and web page)</li> <li>• NIOSHTIC</li> <li>• OHS Safety Series</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Hazards under Fire Conditions	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> </ul>

Topic	References
Hazards under Fire Conditions (continued)	<ul style="list-style-type: none"> <li>• CHRIS</li> <li>• Code for the Manufacture and Storage of Aerosol Products, NFPA 30B</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Fire Fighters' Handbook of Hazardous Materials</li> <li>• Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704</li> <li>• First Responder, a Skills Approach</li> <li>• Handbook of Toxic and Hazardous Chemicals and Carcinogens</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• HAZARTEXT®</li> <li>• LOLI®</li> <li>• North American Emergency Response Guidebook</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Rapid Guide to Hazardous Chemicals in the Workplace</li> <li>• TOMES® Plus</li> </ul>
HMIS Classifications	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Materials Identification System (HMIS)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Marine Pollutants: IMDG	<ul style="list-style-type: none"> <li>• Label Master</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Transportation Regulations: IMDG</li> </ul>
Marine Pollutants: USDOT	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Transportation Regulations: USDOT</li> </ul>
Material Safety Data Sheets (MSDSs) (see "Material Safety Data Sheets" in last section – alphabetical list of references)	
NFPA Classifications	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHRIS</li> <li>• Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> </ul>

Topic	References
NFPA Classifications (continued)	<ul style="list-style-type: none"> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Vermont SIRI Web Page</li> </ul>
Notes to Physician	<ul style="list-style-type: none"> <li>• ATSDR Medical Management Guidelines</li> <li>• <del>Clinical Toxicology of Commercial Products</del> (excellent resource for hazards, but unfortunately no longer reflects the current approach to Notes to Physician)</li> <li>• e-Medicine</li> <li>• Goldfrank's Toxicologic Emergencies</li> <li>• Medical Toxicology</li> <li>• OHS Safety Series</li> </ul>
Physical & Chemical Properties	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• CHEMTOX Chemical Data</li> <li>• CIR (Cosmetic Ingredient Review [CTFA])</li> <li>• Documentation of the Threshold Limit Values and Biological Exposure Indices, ACGIH</li> <li>• Encyclopedia of Chemical Technology</li> <li>• Fisher Scientific MSDSs</li> <li>• Handbook of Chemistry and Physics</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• International Chemical Safety Cards</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• LOLI®</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• The Merck Index</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• TOMES® Plus</li> <li>• Vermont SIRI Web Page</li> </ul>
Protective Equipment	<ul style="list-style-type: none"> <li>• 29 CFR 1910.133 Eye and Face Protection</li> <li>• Ansell Edmont Chemical Resistance Guide</li> <li>• ANSI Z87.1 American National Standard Practice for Occupational and Educational Eye and Face Protection</li> <li>• ANSI Z88.2 Recommended Practice for Respiratory Protection (Lapsed in 2002; see the section below "Reference Citations with Alternate Sources" for details.)</li> <li>• Ansell Edmont Chemical Resistance Guide</li> <li>• Best Manufacturing Company's Comprehensive Guide to Chemical Resistant Best Gloves,</li> </ul>

Topic	References
Protective Equipment (continued)	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Chemical Protective Clothing Performance Index Book</li> <li>• Chemical Protective Clothing, Daniel H. Anna, PhD, editor</li> <li>• Chemical Protective Clothing, Volume II</li> <li>• Design of Industrial Ventilation Systems</li> <li>• Fundamentals of Industrial Hygiene</li> <li>• Guide To Industrial Respiratory Protection</li> <li>• Guide to Protective Clothing</li> <li>• Guidelines for Selection of Chemical Protective Clothing</li> <li>• Industrial Hygiene and Toxicology</li> <li>• Industrial Hygiene Engineering</li> <li>• Industrial Ventilation: A Manual of Recommended Practice</li> <li>• Industrial Ventilation: Engineering Principles</li> <li>• Levels of Protection Guidelines</li> <li>• MAPA Professional Chemical Resistance Guide (gloves)</li> <li>• MeisterPro Crop Protection Handbook</li> <li>• MSA Response® Respirator Selection Guide</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• NIOSH Interim Recommendations for the Selection and Use of Protective Clothing and Respirators Against Biological Agents</li> <li>• NIOSH Recommendations for Chemical Protective Clothing</li> <li>• OHS Safety Series</li> <li>• Personal Protective Equipment – PPE Topic Web Page</li> <li>• Personal Protective Equipment – Respiratory Protection Topic Web Page</li> <li>• Pocket Guide to Chemical Hazards</li> <li>• Practical Guide to Respirator Usage in Industry</li> <li>• Proctor and Hughes' Chemical Hazards of the Workplace</li> <li>• Quick Selection Guide to Chemical Protective Clothing</li> <li>• Respiratory Protection: A Manual and Guideline</li> <li>• 3M. Respirator Select</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> <li>• Ventilation for Control of the Work Environment</li> </ul>
Reactivity & Stability	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• CHEMTOX Chemical Data</li> </ul>

Topic	References
Reactivity & Stability (continued)	<ul style="list-style-type: none"> <li>• Dangerous Chemical Reactions</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Encyclopedia of Chemical Technology</li> <li>• Fire Fighters' Handbook of Hazardous Materials</li> <li>• Fisher Scientific MSDSs</li> <li>• Handbook of Reactive Chemical Hazards</li> <li>• Handbook of Toxic and Hazardous Chemicals and Carcinogens</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Rapid Guide to Hazardous Chemicals in the Workplace</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• TOMES® Plus</li> <li>• Vermont SIRI Web Page</li> </ul>
Regulatory Information	<ul style="list-style-type: none"> <li>• Canadian enviroOSH Legislation</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Chemicals on Reporting Rules (CORR) Database  <a href="http://www.epa.gov/oppt/CORR">www.epa.gov/oppt/CORR</a>  Consists of two dBASE (.DBF) files which can be linked together to provide Federal Register information about regulated chemicals under certain sections of TSCA. The CORR database contains information on chemicals which are regulated under specific sections of the Toxic Substances Control Act (TSCA), or section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). These chemicals have been the subject of proposed or final rules issued by EPA in the Federal Register. Certain TSCA 5(e) consent order chemicals are also included. For a list of those TSCA section 4 chemicals which have sunset, go to this site:  <a href="http://www.epa.gov/opptintr/chemtest/sunset.htm">www.epa.gov/opptintr/chemtest/sunset.htm</a> </li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• EPA – Envirofacts Master Chemical Integrator (EMCI)</li> <li>• EPA Office of Pollution Prevention and Toxics' web site at <a href="http://www.epa.gov/oppt">www.epa.gov/oppt</a></li> <li>• EPA – Substance Registry System</li> <li>• European Chemicals Bureau – European Chemical Substance Information System</li> <li>• European Community (EC) Classifications, Symbols, Risk &amp; Safety Phrases</li> </ul>

Topic	References
Regulatory Information (continued)	<ul style="list-style-type: none"> <li>• Fisher Scientific MSDSs</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• International Labor Organization (ILO) – E.U.Dangerous Substance Directive</li> <li>• LOLI®</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Rapid Guide to Hazardous Chemicals in the Workplace</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• TOMES® Plus</li> <li>• Vermont SIRI Web Page</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• U.S. Code</li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> <li>• Vermont SIRI Web Page</li> <li>• WHMIS Core Manual</li> </ul>
State Right-to-Know: California Prop 65	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• Book of Chemical Lists</li> <li>• California Proposition 65</li> <li>• EPA – Substance Registry System</li> <li>• LOLI®</li> <li>• Michigan Critical Materials List</li> <li>• OHS Safety Series</li> </ul>
State Right-to-Know: Florida	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• Florida Substance List</li> <li>• LOLI®</li> </ul>
State Right-to-Know: Massachusetts	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• LOLI®</li> <li>• Massachusetts Substance List</li> </ul>
State Right to Know: Michigan	<ul style="list-style-type: none"> <li>• Michigan Critical Materials List</li> </ul>
State Right-to-Know: New Jersey	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• LOLI®</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• New Jersey Right to Know Hazardous Substance List</li> </ul>
State Right-to-Know: Pennsylvania	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• LOLI®</li> <li>• Pennsylvania Right-to-Know</li> </ul>

Topic	References
Storage & Handling Information	<ul style="list-style-type: none"> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHRIS</li> <li>• Dangerous Properties of Industrial Materials</li> <li>• Fire Protection Guide to Hazardous Materials, NFPA 49, 325, 491, 704</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Chemicals Desk Reference</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS)</li> <li>• Perry's Chemical Engineers' Handbook</li> <li>• Rapid Guide to Hazardous Chemicals in the Workplace</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• TOMES® Plus</li> <li>• Vermont SIRI Web Page</li> </ul>
Toxicological Information	<ul style="list-style-type: none"> <li>• ATSDR - ToxFAQs</li> <li>• ATSDR - Profiles</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• CHEMBANK</li> <li>• CHEMIDPLUS – Access through National Library of Medicine – Specialized Information Services</li> <li>• CIR (Cosmetic Ingredient Review [CTFA])</li> <li>• EPA – Chemical Information Collection and Data Development</li> <li>• EPA – TSCA 8(e) – Older information</li> <li>• EPA – TSCA 8(e) –2000-2005</li> <li>• Fisher Scientific MSDSs</li> <li>• Hazardous Substances Databank (HSDB®)</li> <li>• IUCLID</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• National Library of Medicine – Gateway search</li> <li>• National Library of Medicine – Specialized Information Services</li> <li>• National Toxicology Program (NTP) – CEHR Reports and Monographs</li> <li>• National Toxicology Program (NTP) Long term toxicity reports</li> <li>• National Toxicology Program (NTP) Report on Carcinogens</li> <li>• New Jersey Hazardous Substance Fact Sheets</li> <li>• NIOSHTIC</li> <li>• Pub Med</li> </ul>

Topic	References
Toxicological Information (continued)	<ul style="list-style-type: none"> <li>• RTECS</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• TSCATS</li> <li>• TOMES® Plus</li> <li>• TOXLINE</li> <li>• Vermont SIRI Web Page</li> </ul>
Transport Information	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• Australian Transport of Dangerous Goods Regulations</li> <li>• Canadian enviroOSH Legislation</li> <li>• Canadian Transport of Dangerous Goods Regulations (TDG)</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• Fisher Scientific MSDSs</li> <li>• J.T. Baker Material Safety Data Sheets</li> <li>• Label Master</li> <li>• LOLI®</li> <li>• Material Safety Data Sheets (MSDSs)</li> <li>• OHS Safety Series</li> <li>• Sigma-Aldrich Material Safety Data Sheets</li> <li>• Transportation Regulations: ADR/RID</li> <li>• Transportation Regulations: IATA</li> <li>• Transportation Regulations: IMDG</li> <li>• Transportation Regulations: TDG</li> <li>• Transportation Regulations: USDOT</li> <li>• U.S. Code</li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> <li>• Vermont SIRI Web Page</li> </ul>
US Regulations: CERCLA	<ul style="list-style-type: none"> <li>• 40 CFR 302.4 CERCLA Regulations – List of Hazardous Substances and Reportable Quantities (RQ)</li> <li>• Ariel Insight</li> <li>• Book of Chemical Lists</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• EPA – Substance Registry System</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
US Regulations: SARA Title III Section 302	<ul style="list-style-type: none"> <li>• 40 CFR 355, App. A &amp; B [SARA TITLE III Section 302] – List of Extremely Hazardous Substances and their Threshold Planning Quantities (TPQ)</li> <li>• American Chemical Society CAS National Chemical Inventory</li> </ul>

Topic	References
US Regulations: SARA Title III Section 302 (continued)	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• Book of Chemical Lists</li> <li>• EPA – Substance Registry System</li> <li>• U.S. Code</li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> <li>•</li> <li>•</li> <li>• LOLI®</li> <li>• EPA – Substance Registry System</li> <li>•</li> <li>• OHS Safety Series</li> <li>• Suspect Chemical Sourcebook</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
US Regulations: SARA Title III Sections 311 & 312	<ul style="list-style-type: none"> <li>• 40 CFR 370.4 SARA TITLE III Sections 311 &amp; 312 - Hazard categories &amp; reporting triggers</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
US Regulations: SARA Title III Section 313	<ul style="list-style-type: none"> <li>• 40 CFR 372.65 SARA Title III (Section 313) – List of Toxic Chemicals)</li> <li>• Ariel Insight</li> <li>• Book of Chemical Lists</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• EPA – Substance Registry System</li> <li>• Hazox</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
US Regulations: TSCA 12(b) Export Notification	<ul style="list-style-type: none"> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• TSCA 12(b) - Annual and One-time Export Notification Substance (53 FR 10206; 56 FR 21802,49863; 58 FR 63148; 59 FR 11122, 23041,49373)</li> </ul>

Topic	References
US Regulations: TSCA 12(b) Export Notification (continued)	<a href="http://www.epa.gov/opptintr/chemtest/main12b.htm">http://www.epa.gov/opptintr/chemtest/main12b.htm</a> TSCA Section 12(b) Export Notification Requirements (Current as of June 22, 2004) - All of the chemical substances appearing on this list [there's a link to the list on the word "list"] are subject to the TSCA Section 12(b) export notification requirements at 40 CFR part 707, subpart D. Substances with non-confidential chemical identities are identified using CAS Registry Numbers; new chemicals and confidential chemical identities are listed using Premanufacture Notification (PMN) Numbers and Accession Numbers, respectively. <ul style="list-style-type: none"> <li>• U.S. Code</li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
USDOT Reportable Quantities	<ul style="list-style-type: none"> <li>• Ariel Insight</li> <li>• LOLI®</li> <li>• OHS Safety Series</li> <li>• Transportation Regulations: USDOT</li> <li>• U.S. Code</li> <li>• U.S. Code of Federal Regulations (CFR)</li> <li>• U.S. Federal Register</li> </ul>
Warning Statements	<ul style="list-style-type: none"> <li>• ANSI Z129.1 Hazardous Industrial Chemicals-Precautionary Labeling</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• European Community (EC) Classifications, Symbols, Risk &amp; Safety Phrases</li> <li>• OHS Safety Series</li> </ul>
Waste Disposal Regulations: United States	<ul style="list-style-type: none"> <li>• LOLI®</li> <li>• Solid and Hazardous Waste Management Regulations (40CFR 260-263)</li> <li>• Superfund Hotline</li> </ul>
Waste Handling	<ul style="list-style-type: none"> <li>• OHS Safety Series</li> </ul>
Workplace Regulations: Canada (WHMIS)	<ul style="list-style-type: none"> <li>• Canadian enviroOSH Legislation</li> <li>• Canadian Workplace Hazardous Materials Identification System (WHMIS) (See WHMIS Core Manual and Suppliers Guide to WHMIS)</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• OHS Safety Series</li> <li>• Supplier's Guide to WHMIS</li> <li>• WHMIS Core Manual</li> </ul>
Workplace Regulations: US (OSHA)	<ul style="list-style-type: none"> <li>• 29 CFR 1910.1200 (and Appendices) Hazard Communication (OSHA MSDS Guidance)</li> <li>• CESARS (Chemical Evaluation Search Retrieval System)</li> <li>• U. S. Code</li> <li>• <a href="http://uscode.house.gov/search/criteria.php">http://uscode.house.gov/search/criteria.php</a></li> </ul>

Topic	References
Workplace Regulations: US (OSHA) (continued)	<ul style="list-style-type: none"><li data-bbox="727 226 1390 262">• U.S. Code of Federal Regulations (CFR)</li><li data-bbox="727 283 1390 325">• U.S. Federal Register</li></ul>

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29 CFR 1910.1200 (and Appendices) Hazard Communication (OSHA MSDS Guidance), OSHA, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register

29 CFR 1910.1001 to 1096 OSHA Carcinogens, OSHA, U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: Book, CD-ROM. Alternate Sources: U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register, OHS Safety Series.

29 CFR 1910.1000 to 1096, Subpart Z – Toxic and Hazardous Substances (OSHA Airborne Exposure Limits), OSHA, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, CESARS, Chemtox Chemical Data, U.S Code (on line), U.S. Code of Federal Regulations (CFR), U.S. Federal Register, LOLI®, OHS Safety Series, Registry of Toxic Effects of Chemical Substances (RTECS).

29 CFR 1910.133 Eye and Face Protection, OSHA, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register, OHS Safety Series.

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40 CFR 302.4 CERCLA Regulations – List of Hazardous Substances and Reportable Quantities (RQ), U. S. Environmental Protection Agency, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, Book of Chemical Lists, CESARS, U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register, LOLI®, OHS Safety Series

40 CFR 355, App. A & B [SARA TITLE III Section 302] – List of Extremely Hazardous Substances and their Threshold Planning Quantities (TPQ), U. S. Environmental Protection Agency, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: American Chemical Society CAS National Chemical Inventory, Ariel Insight, LOLI®, Book of Chemical Lists, U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register, LOLI®, OHS Safety Series.

40 CFR 370.4 SARA TITLE III Sections 311 & 312 - Hazard categories & reporting triggers, U. S. Environmental Protection Agency, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: OHS Safety Series, U. S. Code, U.S. Code of Federal Regulations (CFR), U.S. Federal Register, LOLI®.

40 CFR 372.65 SARA Title III (Section 313) – List of Toxic Chemicals, U. S. Environmental Protection Agency, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, Book of Chemical Lists, CESARS, Hazox, U.S Code (on line), U.S. Code of Federal Regulations (CFR), U.S. Federal Register, LOLI®, OHS Safety Series.

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American Conference of Governmental Industrial Hygienists – See Documentation of the Threshold Limit Values and Biological Exposure Indices

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[www.ansell-edmont.com/download/Ansell\\_7thEditionChemicalResistanceGuide.pdf](http://www.ansell-edmont.com/download/Ansell_7thEditionChemicalResistanceGuide.pdf)

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Australian Inventory of Chemical Substances (AICS), National Occupational Health and Safety Commission, Worksafe Australia, 92 Parramatta Road, Camperdown, NSW, Australia 2050, 011612025659555, 011612025659555, Available: Book, CD-ROM, On-line. Alternate Sources: Ariel Insight, CHEMLIST, the AICS may be searched at: <http://www.nohsc.gov.au/applications/hsis/>

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California Proposition 65, California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, 601 North 7 Street, P.O. Box 942732, Sacramento, CA, US, 94234-7320, <http://www.calepa.cahwnet.gov/oeaha/docs/>, Latest list: [http://www.oeaha.ca.gov/prop65/prop65\\_list/Newlist.html](http://www.oeaha.ca.gov/prop65/prop65_list/Newlist.html) - Available: Book, CD-ROM, On-line. Alternate Sources: Ariel Insight, Book of Chemical Lists, LOLI®, OHS Safety Series.

Canadian Domestic Substance List & Non-domestic Substance List, Address of Primary Source Not Available, Available: Book, CD-ROM. Alternate Sources: LOLI®, Solutions Software, Ariel Insight, CHEMLIST, American Chemical Society CAS National Chemical Inventory, CHEMpendium™, on line search engine [http://www.ec.gc.ca/substances/nsb/eng/cas\\_e.htm](http://www.ec.gc.ca/substances/nsb/eng/cas_e.htm) .

Canadian enviroOSH Legislation, The Canadian Centre for Occupational Health and Safety (CCOHS), 135 Hunter Street East, Hamilton, Ontario, Canada L8N 1M5, 905-570-8094, 800-668-4284, <http://www.ccohs.ca/>, Available: CD-ROM.

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Canadian Workplace Hazardous Materials Identification System (WHMIS), Address of Primary Source: <http://laws.justice.gc.ca/en/H-3/SOR-88-66/>, Available: On-line. Alternate sources: <http://www.hc-sc.gc.ca/hecs-sesc/whmis/index.htm>, <http://www.hc-sc.gc.ca/hecs-sesc/whmis/> - See also Supplier's Guide to WHMIS and WHMIS Core Manual.

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<http://toxnet.nlm.nih.gov/> (Simultaneously search HSDB [Hazardous Substance Databank], IRIS [Integrated Risk Information System], GENE-TOX [Mutagenicity test data from EPA], CCRIS [Chemical Carcinogenesis Research Information System], Toxline Special, DART (Developmental and Reproductive Toxicology and Environmental Teratology Information Center), TRI [Toxocs Release Inventory], ChemIDplus)

National Toxicology Program (NTP) – CEHR Reports and Monographs – Center for Evaluation of Risks to Human Reproduction.- NIEHS EC-32, P.O. Box 12233, Research Triangle Park, NC 27709 - Available: On-Line  
Reports: <http://cerhr.niehs.nih.gov/CERHRchems/index.html>  
Monographs: <http://cerhr.niehs.nih.gov/reports/index.html>

National Toxicology Program (NTP) – Long term toxicity reports (hyperlinked list)-  
<http://ntp.niehs.nih.gov/index.cfm?objectid=084801F0-F43F-7B74-0BE549908B5E5C1C>

National Toxicology Program (NTP) Report on Carcinogens, 11<sup>th</sup> Edition. U. S. Department of Health and Human Services, U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: On-line at:  
<http://ntp.niehs.nih.gov/index.cfm?objectid=72016262-BDB7-CEBA-FA60E922B18C2540>

New Jersey Hazardous Substance Fact Sheets, New Jersey Department of Health and Senior Services, Right to Know Program, Occupational Health Service, P.O. Box 368, Trenton, NJ, US, 08625-0368, 609-984-2202, Available: Pamphlets. Alternate Sources: CESARS, CHEMpendium™, Tomes®Plus, CCOHS.  
On-Line at : <http://www.state.nj.us/health/eoh/rtkweb/rtkhsfs.htm>

New Jersey Right to Know Hazardous Substance List, New Jersey Department of Health and Senior Services, Right to Know Program, Occupational Health Service, P.O. Box 368, Trenton, NJ, US, 08625-0368, 609-984-2202, Available: Book, Alternate Sources: Ariel Insight, LOLI®.  
Available on-line:  
(Alphabetical order): <http://www.state.nj.us/dep/opppc/crtk/andyrppr/rpprapdxba.pdf> ;  
(CAS Number order): <http://www.state.nj.us/dep/opppc/crtk/andyrppr/rpprapdxbc.pdf>

NFPA 65 Standard for the Processing and Finishing of Aluminum, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 480 Standard for the Storage, Handling and Processing of Magnesium Solids and Powders, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 481 Standard for the Storage, Handling and Processing of Titanium, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 482 Standard for the Storage, Handling and Processing of Zirconium, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 485 Standard for the Storage, Handling, Processing and Use of Lithium Metal, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 497 Classification of Gases, Vapors and Dusts for Electrical Equipment in Hazardous (Classified) Locations, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 499 Recommendations Practice for the Classification of Combustible Dusts in and Hazardous (Classified) Locations, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NFPA 651 Standard for the Manufacture of Aluminum Powder, National Fire Protection Association, 1 Batterymarch Park, P. O. Box 9101, Quincy, MA, US, 02269-9101, 800-344-3555, 800-593-6372, Available: Book, On-line at: <http://www.nfpa.org/>

NIOSH - Advanced search (NIOSHTIC, other databases, and web page) - <http://www.cdc.gov/niosh/srchpage.html>

NIOSH Recommendations for Chemical Protective Clothing, available on-line at <http://www.cdc.gov/niosh/ncpc/ncpc2.html>

NIOSH Interim Recommendations for the Selection and Use of Protective Clothing and Respirators Against Biological Agents, available on-line at: <http://www.cdc.gov/niosh/unp-intrecppe.htm>

NIOSHTIC, see OSHLINE

NLM – see National Library of Medicine

North American Emergency Response Guidebook, 2004 - U. S. Department of Transportation, Research and Special Programs Administration, U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: Book, On-line <http://hazmat.dot.gov/erg2004/erg2004.pdf>.

NTP – see National Toxicology Program

OHS Safety Series, MDL Information Systems Inc., Nashville Research & Development Center, 1420 Donaldson Pike, Suite A-18, Nashville, TX, US, 37217, 615-366-2000, 800-635-0064, <http://www.mdli.com/>, Available: Book, CD-ROM, On-line.

Oil and Hazardous Materials/Technical Assistance Data System (OHM-TADS), U. S. Environmental Protection Agency, Available: Book, CD-ROM. Alternate Sources: TOMES® Plus, CHEMBANK.

OSHA Hazard Communication Standard. HAZCOM Program, Available: On-line. <http://www.osha.gov/SLTC/hazardcommunications/solutions.html>, U.S. Code of Federal Regulations (CFR).

OSHA Safety and Health Topics. Medical First Aid, Available: On-line at: <http://www.osha.gov/SLTC/medicalfirstaid/>

OSHLINE® with NIOSHTIC®, US National Institute for Occupational Safety & Health. Available: CD-ROM, web: The Canadian Centre for Occupational Health and Safety (CCOHS), 135 Hunter St. E., Hamilton, ON, Canada L8N 1M5, 905-570-8094, 800-668-4284, <http://www.ccohs.ca>.

Pennsylvania Right-to-Know, Commonwealth of Pennsylvania, Department of Labor and Industry, Enforcement Division, Bureau of Worker & Community Right-To-Know, 1502 L & I Building, Harrisburg, PA, US, 17120, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, LOLI®.

Perry's Chemical Engineers' Handbook, 1999, McGraw-Hill, New York, NY, US, Available: Book, CD-ROM

Personal Protective Equipment, U. S. Department of Labor Occupational Safety and Health Administration (OSHA) PPE Topic Page <http://www.osha.gov/SLTC/personalprotectiveequipment/index.html>

Personal Protective Equipment, U. S. Department of Labor Occupational Safety and Health Administration (OSHA) Respiratory Protection Topic Page (Respiratory Protection e-tool) <http://www.osha.gov/SLTC/respiratoryprotection/index.html>

Pesticide Fact Handbook, Volume 1, U. S. Environmental Protection Agency, 1988, Noyes Data Corp., Park Ridge, NJ, US, Available: Book.

Pesticide Fact Handbook, Volume 2, U. S. Environmental Protection Agency, 1990, Noyes Data Corp., Park Ridge, NJ, US, Available: Book.

The Pesticide Manual, Tomlin, C., 10, 2003, British Crop Protection Council, The Royal Society of Chemistry, Crop Protection Publications, ISBN 1901396134 , Available: Book.

The Pharmacological Basis of Therapeutics, Goodman, L.S. and Gilman, A.G., 10<sup>th</sup> ed, 2001, Macmillian Publishing Company, New York, NY, US, Available: Book.

Pharmacology & Toxicology: Basic and Clinical Aspects, Hollinger, M.A., Address of Primary Source Not Available, Available: Book.

Philippines Chemical Inventory (PICCS), Address of Primary Source Not Available, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, LOLI®.

Pocket Guide to Chemical Hazards, NIOSH, U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: Book. Alternate sources: CHEMpendium™, available on-line at <http://www.cdc.gov/niosh/npg/npg.html> The latest printed edition of the NIOSH Pocket Guide is dated February 2004 (NIOSH Publication No. 97-140, fourth printing with changes and updates). Printed copies are available from NIOSH, the National Technical Information Service (NTIS), or the Government Printing Office (GPO). The Pocket Guide continues to be available on CHEMpendium™

Poisoning & Toxicology Handbook, Leikin, J.B. and Paloucel, F.P., 1995-96, American Pharmaceutical Association, Available: Book.

A Practical Guide to Chemical Spill Response, Hosty, J.W. and P. Foster, ISBN 0-442-00569-5, John Wiley and Sons, New York (1997): Book.

Practical Guide to Respirator Usage in Industry, Rajhans, G.S. and Pathak, B., 2<sup>nd</sup> Edition, 2002, ISBN: 0-7506-7435-0, Butterworth Heinemann via Elsevier, Available: Book.

Proctor and Hughes' Chemical Hazards of the Workplace, Hathaway, G.J., Proctor, N.H., 5<sup>th</sup> Edition, Wiley Publications, 2004, ISBN: 0-471-26883-6, Available: Book.

Pub Med – National Library of Medicine database - <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Quick Selection Guide to Chemical Protective Clothing, 4<sup>th</sup> Edition, Forsberg, K. and Mansdorf, S.Z., 2003, J. Wiley & Sons, New York, NY, Available: Book, ISBN: 0-471-27105-5, E-Book, ISBN 0-471-46239-X. Alternate Source: AIHA at <http://www.aiha.org/>

Rapid Guide to Hazardous Chemicals in the Workplace, Lewis, R.J., 2000, Available: Book, ISBN: 0-471-35542-9, Wiley-Interscience.

Registry of Toxic Effects of Chemical Substances, see RTECS

Respiratory Protection: A Manual and Guideline, Colton, C.E., 2001, Available: Book, 2001, ISBN: 9-992-12039-8, American Industrial Hygiene Association.

RTECS, US Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: CD-ROM, web: The Canadian Centre for Occupational Health and Safety (CCOHS), 135 Hunter St. E., Hamilton, ON, Canada L8N 1M5, 905-570-8094, 800-668-4284. Available: CD-ROM, On-line. Alternate Sources: CHEMBANK, TOMES®, <http://www.ccohs.ca>

Sax's Dangerous Properties of Industrial Materials – see Dangerous Properties of Industrial Materials

Sigma-Aldrich (and Fluka) Material Safety Data Sheets, Aldrich Chemical Co., 1001 West St. Paul Avenue, Milwaukee, WI, US, 53233, Available: on-line with registration at <http://www.sigmaldrich.com/>.

Solutions Software, Solutions Software Corp, 1795 Turtle Hill Road, Enterprise, FL, US, 32725, 407-321-3098.

STN-ONLINE, American Chemical Society, CAS Customer Service, 2540 Olenangy River Road, Columbus, OH, US, 43210-0012, Available On-line (fee based).

Superfund Hotline, U. S. Environmental Protection Agency – Available: phone: 800-424-9346

Supplier's Guide to WHMIS: Preparing compliant Material Safety Data Sheets and labels. Workers' Compensation Board of British Columbia, Box 5350, Vancouver, BC, Canada, V6B 5L5 Available: Book, CD-ROM, On-line at: [http://www.worksafebc.com/publications/health\\_and\\_safety\\_information/whmis/pub\\_40\\_20\\_20\\_30.asp](http://www.worksafebc.com/publications/health_and_safety_information/whmis/pub_40_20_20_30.asp)

Suspect Chemical Sourcebook, 1997, Roytech Publications, Bethesda, MD, US, Available: Book, CD-ROM. (discontinued)

TDG (Canada) (Transport of Dangerous Goods), The Canadian Centre for Occupational Health and Safety (CCOHS), 135 Hunter St. E., Hamilton, Ontario, Canada, L8N 1M5, 905-570-8094, 800-668-4284, <http://www.ccohs.ca>, Available: CD-ROM, On-Line: <http://www.tc.gc.ca/tdg/menu.htm>.

Threshold Limit Values and Biological Exposure Indices, ACGIH, American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, US, 513-742-2020, 513-742-3355, <http://www.acgih.org/>, Available: Book. Alternate Sources: Ariel Insight, LOLI®, OHS Safety Series, Registry of Toxic Effects of Chemical Substances (RTECS), TOMES® Plus, CESARS.

TOMES® Plus, Micromedex, Inc., 600 Grant Street, Denver, CO, US, 80203-3552, Available: CD-ROM, On-line.

ToxFAQs, Agency for Toxic Substances and Disease Registry (ATSDR), <http://atsdr1.atsdr.cdc.gov:8080/toxfaq.html>, Available: On-line.

Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1985 Edition, U. S. Environmental Protection Agency, 1985, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book. Alternate Sources: OHS Safety Series, Ariel Insight, CHEMBANK, CAS On-Line Registry File, Solutions Software, CHEMLIST, LOLI®.

Toxic Substances Control Act (TSCA) Chemical Substance Inventory: 1990 supplement, U. S. Environmental Protection Agency, 1990, National Technical Information Service, Department of Commerce, Springfield, VA, US, 22161, 703-487-4650, Available: Book. Alternate Sources: OHS Safety Series, LOLI®.

Toxicity Summaries, Primary Source not applicable: Multiple References, Available: Book, CD-ROM, On-line. Alternate Sources: OHS Safety Series, Registry of Toxic Effects of Chemical Substances (RTECS), TOMES® Plus, TOXNET Data Files.

Toxicology of the Eye, Grant, W.M., 4<sup>th</sup> ed, 1993, 2 volumes, Charles C. Thomas, Springfield, IL, US. Available: Book.

Toxicology Profiles, Primary Source not applicable: Multiple References, Available: Book. Alternate Sources: OHS Safety Series, TOMES® Plus, TOXNET Data Files.

TOXLINE, National Library of Medicine, 301-496-1131. Available: CD-ROM. Alternate Sources: The Canadian Centre for Occupational Health and Safety (CCOHS), 135 Hunter St., Hamilton, ON, Canada, 905-570-8094, 800-668-4284, <http://www.ccohs.ca>. See also National Library of Medicine – Specialized Information Services for multi-database searching.

TOXNET Data Files, National Library of Medicine, 301-496-1131, Available: On-line - See. National Library of Medicine – Specialized Information Services

Transportation Regulations: ADR/RID (Regulations Concerning the International Transport of Dangerous Goods by Road (ADR) and Rail (RID), respectively), Available: Book (or CD-ROM?) from United Nations Publications, 2 UN Plaza, Room 853, New York, NY 10017, [publications@un.org](mailto:publications@un.org), INTERNET: <http://www.un.org>; and/or Her Majesty's Stationery Office London Bookshop, 49 High Holborn, London, WC1V 6HB, United Kingdom. Alternate Sources: Label Master, OHS Safety Series.

Transportation Regulations: IATA, International Air Transport Association, 2000 Peel Street, Montreal, QUE, Canada, H3A 2R4, Available: Book, CD-ROM. Alternate Sources: J.J. Keller, OHS Safety Series.

Transportation Regulations: IATA Dangerous Goods Regulations (International Air Transport Association), Annual edition. 2000 Peel Street, Montreal, QUE, Canada, H3A 2R4, Available: Book, CD-ROM. Alternate Sources: Label Master, OHS Safety Series. Online: [www.iataonline.com](http://www.iataonline.com).

Transportation Regulations: IMO (International Maritime Organization) - International Maritime Dangerous Goods Code (IMDG), 4 Albert Embankment, London, ENG, UK, SE1 7SR, Available: Book, CD-ROM. Alternate Sources: Label Master, OHS Safety Series.

Transportation Regulations: TDG (Transportation of Dangerous Goods - International), International Compliance Center Ltd., 2150 Liberty Drive, Unit 2, Niagara Falls, NY, US, 14304, Available: Book. Alternate Sources: CHEMpendium™, Label Master, OHS Safety Series

Transportation Regulations: USDOT, U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, LOLI®, OHS Safety Series, CHEMpendium™, Label Master, U.S. Code of Federal Regulations (CFR)

TSCA 12(b) - Annual and One-time Export Notification Substance (53 FR 10206; 56 FR 21802,49863; 58 FR 63148; 59 FR 11122, 23041,49373), U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: Book, CD-ROM. Alternate Sources: OHS Safety Series, LOLI®.

TSCATS – Toxicity Database - <http://www.syrres.com/esc/tscats.htm> or <http://www.ntis.gov/products/specialty/tsca.asp?loc=4-5-5>

Copies of unpublished reports are available on microfiche from NTIS ( see <http://www.ntis.gov/> for information).

United Kingdom Exposure Limits, Address of Primary Source Not Available, Available: Book, CD-ROM. Information available at <http://www.hse.gov.uk/coshh/index.htm> Alternate Sources: LOLI®.

U.S. Army Environmental Database (ERED) - <http://el.erd.c.usace.army.mil/ered/Index.cfm>

U. S. Code – available on-line at: <http://uscode.house.gov/search/criteria.shtml>

U. S. Code of Federal Regulations (CFR), U.S. Government Printing Office, Superintendent of Documents, Washington, DC, US, 20402, 212-264-3825, Available: CD-ROM, On-line. Alternate Sources: on line at: [www.access.gpo.gov/nara/cfr/](http://www.access.gpo.gov/nara/cfr/) or [www.access.gpo.gov/nara/cfr/cfr-table-search.html](http://www.access.gpo.gov/nara/cfr/cfr-table-search.html) or [www.gpoaccess.gov/cfr/](http://www.gpoaccess.gov/cfr/) or <http://www.gpoaccess.gov/ecfr/> (This last internet address is for a new electronic format of the CFR.)

U.S. Federal Register – 1995 to the present – Available at <http://www.gpoaccess.gov/fr/index.html>

Ventilation for Control of the Work Environment, William A. Burgess, Michael J. Ellenbecker, Robert D. Treitman, ISBN: 0-471-09532-X, 2004, Wiley Publishing, Available: Book

Vermont SIRI Web Page, <http://hazard.com/msds/>, Available: On-line.

WHMIS Core Manual, Workers' Compensation Board of British Columbia, Box 5350, Vancouver, BC, Canada, V6B 5L5, Available: Book and on-line at: [http://www.worksafebc.com/publications/health\\_and\\_safety\\_information/whmis/pub\\_40\\_20\\_20\\_20.asp](http://www.worksafebc.com/publications/health_and_safety_information/whmis/pub_40_20_20_20.asp)

Workplace Environment Exposure Limits (WEELs), American Industrial Hygiene Association, 2700 Prosperity Avenue, Suite 250, Fairfax, VA, US, 22031, Available: Book, CD-ROM. Alternate Sources: Ariel Insight, LOLI®.

# LIST OF INTERNET SITES WITH FREE INFORMATION

## **\*\* Means multi-topic or list of many internet hyperlinks**

Ansell Edmont Chemical Resistance Guide – 7<sup>th</sup> Edition - Available: On-line at [www.ansell-edmont.com/download/Ansell\\_7thEditionChemicalResistanceGuide.pdf](http://www.ansell-edmont.com/download/Ansell_7thEditionChemicalResistanceGuide.pdf)

ATSDR Medical Management Guidelines (MMGs) for Acute Chemical Exposures. Version 2001. Agency for Toxic Substances and Disease Registry (ATSDR), <http://www.atsdr.cdc.gov/mmg.html>

ATSDR – ToxFAQs - <http://www.atsdr.cdc.gov/toxfaq.html>

ATSDR – Toxicological Profiles - Agency for Toxic Substances and Disease Registry, Division of Toxicology - <http://www.atsdr.cdc.gov/toxpro2.html> or <http://www.atsdr.cdc.gov/toxprofiles/>

Australian Hazardous Substance Information System (hazard classification, R&S phrases -similar to or identical to the European Union classifications) – available at: <http://www.nohsc.gov.au/applications/hsis/>

Australian Inventory of Chemical Substances (AICS), National Occupational Health and Safety Commission, Worksafe Australia, the AICS may be searched at: <http://www.nohsc.gov.au/applications/hsis/>

Australian Hazardous Substance Information System (hazard classification, R&S phrases -similar to or identical to the European Union classifications) – available at: <http://www.dotars.gov.au/transreg/dgoods.aspx>

California Proposition 65, California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, 601 North 7 Street, P.O. Box 942732, Sacramento, CA, US, 94234-7320, <http://www.calepa.ca.gov/oeaha/docs/>;  
latest list: [http://www.oeaha.ca.gov/prop65/prop65\\_list/Newlist.html](http://www.oeaha.ca.gov/prop65/prop65_list/Newlist.html)

Canadian Domestic Substance List & Non-domestic Substance List (DSL, NDSL), on line search engine [http://www.ec.gc.ca/substances/nsb/eng/cas\\_e.htm](http://www.ec.gc.ca/substances/nsb/eng/cas_e.htm) .

Canadian Ingredient Disclosure List - <http://laws.justice.gc.ca/en/H-3/SOR-88-64/text.html>

Canadian Transport of Dangerous Goods Regulations - <http://www.tc.gc.ca/tdg/menu.htm> and [http://www.tc.gc.ca/acts-regulations/GENERAL/t/tdg/regulations/tdg001/part\\_1.htm](http://www.tc.gc.ca/acts-regulations/GENERAL/t/tdg/regulations/tdg001/part_1.htm)

Canadian Workplace Hazardous Materials Identification System (WHMIS), Address of Primary Source: <http://laws.justice.gc.ca/en/H-3/SOR-88-66/>, Available: On-line. Alternate sources: <http://www.hc-sc.gc.ca/hecs-sesc/whmis/index.htm>, <http://www.hc-sc.gc.ca/hecs-sesc/whmis/>

CHEMFINDER--Internet: <http://chemfinder.camsoft.com/>

\*\*Chemical Links Collection – Virtual Chemistry Internet Library - <http://www.liv.ac.uk/Chemistry/Links/refdatabases.html>

\*\*CHEMIDPLUS – See National Library of Medicine – Specialized Information Services (SRS)

CHRIS (Chemical Hazard Response Information System), US Coast Guard, available on-line at <http://www.uscg.mil/hq/g-m/mor/Articles/CHRIS.htm>

ECOTOX Database, US EPA available on-line at <http://www.epa.gov/ecotox/>

e-Medicine. [www.emedicine.com](http://www.emedicine.com)., Available: Search the site on-line.

\*\* EPA – Chemical Information Collection and Data Development – United States Environmental Protection Agency – Internet links to several sources of toxicological data - <http://www.epa.gov/opptintr/chemtest/accsmain.htm>

EPA Chemicals in the Environment: OPPT Chemical Fact Sheets, U.S. Environmental Protection Agency, <http://www.epa.gov/chemfact/>

EPA Chemicals on Reporting Rules (CORR) Database <http://www.epa.gov/oppt/CORR>  
Consists of two dBASE (.DBF) files which can be linked together to provide Federal Register information about regulated chemicals under certain sections of TSCA. The CORR database contains information on chemicals which are regulated under specific sections of the Toxic Substances Control Act (TSCA), or section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). These chemicals have been the subject of proposed or final rules issued by EPA in the Federal Register. Certain TSCA 5(e) consent order chemicals are also included. For a list of those TSCA section 4 chemicals which have sunset, go to this site: [www.epa.gov/opptintr/chemtest/sunset.htm](http://www.epa.gov/opptintr/chemtest/sunset.htm)

EPA – Envirofacts Master Chemical Integrator (EMCI) – Access to EPA’s air, water, hazardous waste, superfund, and toxics release inventory programs – available on-line at: <http://www.epa.gov/enviro/html/emci/chemref/index.html>

\*\*EPA Substance Registry System [www.epa.gov/srs](http://www.epa.gov/srs) (multifunctional/multi-reference site)

EPA – Chemical Information Collection and Data Development – United States Environmental Protection Agency – TSCA 8(e) – Older data - <http://www.epa.gov/oppt/tsca8e/>  
Also [http://www.epa.gov/docs/8e\\_triag/](http://www.epa.gov/docs/8e_triag/) - Searchable database of scientific studies on the health and environmental effects of toxic chemicals related to Section 8(e) of TSCA. This does not contain new data, and it may require Windows 3.1, 95, 98 or DOS to function. (You may have found a use for your old computer!)

EPA – Chemical Information Collection and Data Development – United States Environmental Protection Agency – TSCA 8(e) – 2000-2005 - [http://www.epa.gov/oppt/tsca8e/doc/previous8\(e\).htm](http://www.epa.gov/oppt/tsca8e/doc/previous8(e).htm)

EPA – Envirofacts Master Chemical Integrator (EMCI) - <http://www.epa.gov/enviro/html/emci/chemref/index.html>

European Chemicals Bureau – European Chemical Substance Information System - <http://ecb.jrc.it/ESIS/> (including EINECS/ELINCS)  
Home page - <http://ecb.jrc.it/>  
Database page - [http://ecb.jrc.it/php-pgm/onglets\\_choix.php?](http://ecb.jrc.it/php-pgm/onglets_choix.php?)

European Community (EC) Classifications, Symbols, Risk & Safety Phrases - <http://ecb.jrc.it/esis/esis.php?PGM=ora&DEPUIIS=autre>

European Community (EC) Indicative Exposure Limits (Directive 2000/39/EC) [http://europa.eu.int/eur-lex/en/search/search\\_lif.html](http://europa.eu.int/eur-lex/en/search/search_lif.html)

European Inventory of Existing (and New) Commercial Chemical Substances (EINECS/ELINCS) - <http://ecb.jrc.it/esis/esis.php?PGM=ora&DEPUIIS=autre>

EXTOXNET Pesticide Information Profiles (PIPs), Univ. of California, Davis; Oregon State Univ.; Michigan State Univ.; & Cornell Univ., <http://ace.orst.edu/info/extoxnet/pips/ghindex.html>

Florida Substance List, State of Florida - <http://www.phys.ufl.edu/osh/toxiclst.txt>

\*\*GINC (Japan) Web Guide – Links to many worldwide government agencies and other organizations - <http://www.nihs.go.jp/GINC/webguide.html>

Hazardous Chemicals Database - University of Akron, Akron, OH, US, <http://ull.chemistry.uakron.edu/erd/sources.html>, .

Household Products Ingredient Database (NLM) - <http://householdproducts.nlm.nih.gov/ingredients.htm>

Integrated Risk Information System (IRIS), U. S. Environmental Protection Agency <http://www.epa.gov/docs/chemfate> or [http://www.medaccess.com/environ/env\\_Tech.htm](http://www.medaccess.com/environ/env_Tech.htm)

International Chemical Safety Cards. International Programme on Chemical Safety. US National Version, on-line: <http://www.cdc.gov/niosh/ipcs/nicstart.html>; NIOSH –WHO Version, on line at: <http://www.cdc.gov/niosh/ipcs/icstart.html>

International Labor Organization (ILO) – E.U. Dangerous Substance Directive – Basics of Chemical Safety (Section 3) includes E.U. Symbols as Annex 1, E.E. R Phrases as Annex 2, E.E.S Phrases as Annex 3, and Dangerous Substance Directive, Annex I as Annex 4 - <http://www.ilo.org/public/english/protection/safework/cis/products/safetytm/toc.htm>

International Labor Organization (ILO) – Occupational Safety and Health Center – Overview of Databases and services - <http://www.ilo.org/public/english/protection/safework/cis/products/dbs.htm>

IUCLID Headsets – available on-line at the European Chemicals Bureau – <http://ecb.jrc.it/existing-chemicals/>

\*\*Japan – Page with links - [http://wwwdb.mhlw.go.jp/ginc/cgi-bin/db1\\_ls2.pl](http://wwwdb.mhlw.go.jp/ginc/cgi-bin/db1_ls2.pl)

\*\*Material Safety Data Sheets (MSDSs) – Where to Find MSDSs on the Internet – <http://www.ilpi.com/msds/> (Links to over 100 sources of MSDSs on the internet)

Material Safety Data Sheets (MSDSs) - Multi-supplier MSDS sites – Vermont SIRI Web Page <http://hazard.com/msds/index.php>  
MSDS-on-Line (limited free searches, then fee based) <http://www.msdonline.com/>  
MSDS Solutions (limited free searches, then fee based) <http://www.msds.com/>  
Seton Compliance <http://www.setonresourcecenter.com/MSDS/index.htm>,

Material Safety Data Sheets (MSDSs) – A few of the many manufacturer MSDS sites:  
Sigma-Aldrich Material Safety Data Sheets <http://www.sigmaaldrich/suite7/>  
Fisher Scientific MSDSs <https://www1.fishersci.com/catalogs/powersearch.jsp>  
J.T. Baker Material Safety Data Sheets <http://www.jtbaker.com/asp/Catalog.asp>

Michigan Critical Materials List: LOLI®, [http://www.michigan.gov/documents/MR12\\_090100\\_7760\\_7.pdf](http://www.michigan.gov/documents/MR12_090100_7760_7.pdf)  
National Fire Prevention Association (NFPA) Standards - <http://www.nfpa.org/>

National Library of Medicine (NLM) – Gateway Search - <http://gateway.nlm.nih.gov/gw/Cmd>

\*\* National Library of Medicine – list of general web links -  
<http://sis.nlm.nih.gov/chem/chemweblinks.html>

\*\*National Library of Medicine – Specialized Information Services – On line at  
<http://toxnet.nlm.nih.gov/> (Simultaneously search HSDB [Hazardous Substance Databank], IRIS [Integrated Risk Information System], GENE-TOX [Mutagenicity test data from EPA], CCRIS [Chemical Carcinogenesis Research Information System], Toxline Special, DART (Developmental and Reproductive Toxicology and Environmental Teratology Information Center], TRI [Toxocs Release Inventory], ChemIDplus)

National Toxicology Program – 11th Report on Carcinogens – On-line at :  
<http://ntp.niehs.nih.gov/index.cfm?objectid=72016262-BDB7-CEBA-FA60E922B18C2540>

National Toxicology Program (NTP) Carcinogens Summary, U. S. Department of Human Services – <http://ntp-server.niehs.nih.gov/>

National Toxicology Program (NTP) – CEHR Reports and Monographs – Center for Evaluation of Risks to Human Reproduction. Available: On-Line  
Reports: <http://cerhr.niehs.nih.gov/CERHRchems/index.html>  
Monographs: <http://cerhr.niehs.nih.gov/reports/index.html>

National Toxicology Program (NTP) – Long term toxicity reports (hyperlinked list) -  
<http://ntp.niehs.nih.gov/index.cfm?objectid=084801F0-F43F-7B74-0BE549908B5E5C1C>

New Jersey Hazardous Substance Fact Sheets -  
<http://www.state.nj.us/health/eoh/rtkweb/rtkhsfs.htm>

New Jersey Right to Know Hazardous Substance List: Available on-line:  
(Alphabetical order): <http://www.state.nj.us/dep/opppc/crtk/andyrppr/rpprapdxba.pdf> ;  
(CAS Number order): <http://www.state.nj.us/dep/opppc/crtk/andyrppr/rpprapdxbc.pdf>

NIOSH - Advanced search (NIOSHTIC-2, other databases, and web page) -  
<http://www.cdc.gov/niosh/srchpage.html>

NIOSH Interim Recommendations for the Selection and Use of Protective Clothing and Respirators Against Biological Agents, available on-line at:  
<http://www.cdc.gov/niosh/unp-intrecppe.htm>

NIOSH - Pocket Guide to Chemical Hazards - <http://www.cdc.gov/niosh/npg/npg.html>

NIOSH Recommendations for Chemical Protective Clothing, available on-line at  
<http://www.cdc.gov/niosh/ncpc/ncpc2.html>

North American Emergency Response Guidebook, 2004 - U. S. Department of Transportation, Research and Special Programs Administration - <http://hazmat.dot.gov/erg2004/erg2004.pdf>.

OSHA Hazard Communication Standard. HAZCOM Program, Available: On-line.  
<http://www.osha.gov/SLTC/hazardcommunications/solutions.html>.

OSHA - Personal Protective Equipment - PPE Topic Page  
<http://www.osha.gov/SLTC/personalprotectiveequipment/index.html>

OSHA – Respiratory Protection - Respiratory Protection Topic Page (Respiratory Protection e-tool) <http://www.osha.gov/SLTC/respiratoryprotection/index.html>

OSHA Safety and Health Topics. Medical First Aid, Available: On-line at:  
<http://www.osha.gov/SLTC/medicalfirstaid/>

\*\*Pharmacos – European Commission Pharmaceuticals and Cosmetics web site (formerly Eudra)  
– on-line at: <http://pharmacos.eudra.org/>

Pub Med – National Library of Medicine database - <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

Respiratory Protection - Guide To Industrial Respiratory Protection, NIOSH, 1987  
<http://www.cdc.gov/niosh/87-116.html>

SCHC (Society for Chemical Hazard Communication) - <http://www.schc.org>

Supplier's Guide to WHMIS: Preparing compliant Material Safety Data Sheets and labels.  
Workers' Compensation Board of British Columbia -  
[http://www.worksafebc.com/publications/health\\_and\\_safety\\_information/whmis/pub\\_40\\_20\\_20\\_30.asp](http://www.worksafebc.com/publications/health_and_safety_information/whmis/pub_40_20_20_30.asp)

TDG (Canada) (Transport of Dangerous Goods) - Available: CD-ROM, On-Line:  
<http://www.tc.gc.ca/tdg/menu.htm>.

3M, Respirator Select, available on-line at <http://rsel.3m.com/rsel/>

ToxFAQs, Agency for Toxic Substances and Disease Registry (ATSDR),  
<http://atsdr1.atsdr.cdc.gov:8080/toxfaq.html>

TOXNET – See National Library of Medicine – Specialized Information Services

\*\*Treasures of Internet – Biosafety -  
<http://www.treasuresoftheinternet.org/index.shtml>  
Then click on “B” at the top and click “biosafety”, then: happy surfing.

TSCA Export Notification Regulations -(Current as of June 22, 2004) -  
<http://www.epa.gov/opptintr/chemtest/main12b.htm> - All of the chemical substances appearing on this list [there's a link to the list on the word “list”] are subject to the TSCA Section 12(b) export notification requirements at 40 CFR part 707, subpart D. Substances with non-confidential chemical identities are identified using CAS Registry Numbers; new chemicals and confidential chemical identities are listed using Premanufacture Notification (PMN) Numbers and Accession Numbers, respectively.

TSCA Inventory List - Cornell University - <http://msds.pdc.cornell.edu/tscasrch.asp>

TSCATS – Toxicity Database - <http://www.syrres.com/esc/tscats.htm>

United Kingdom Exposure Limits - <http://www.hse.gov.uk/coshh/index.htm>

U.S. Army Environmental Database (ERED) - <http://el.erd.c.usace.army.mil/ered/Index.cfm>

U. S. Code – available on-line at: <http://uscode.house.gov/search/criteria.shtml>

U.S. Code of Federal Regulations (CFR), U.S. Government on line at:  
[www.access.gpo.gov/nara/cfr/](http://www.access.gpo.gov/nara/cfr/) or [www.access.gpo.gov/nara/cfr/cfr-table-search.html](http://www.access.gpo.gov/nara/cfr/cfr-table-search.html) or  
[www.gpoaccess.gov/cfr/](http://www.gpoaccess.gov/cfr/) or <http://www.gpoaccess.gov/ecfr/> (This last internet address is for a new electronic format of the CFR.)

U.S. Federal Register – 1995 to the present – Available at <http://www.gpoaccess.gov/fr/index.html>

Vermont SIRI Web Page, <http://hazard.com/msds/>, Available: On-line.

WHMIS Core Manual, Workers' Compensation Board of British Columbia -  
[http://www.worksafebc.com/publications/health\\_and\\_safety\\_information/whmis/pub\\_40\\_20\\_20\\_20.asp](http://www.worksafebc.com/publications/health_and_safety_information/whmis/pub_40_20_20_20.asp)

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