

APPENDIX C: INFORMATION SOURCES FOR HAZARDOUS SUBSTANCES

Legend:

1	Describes substance properties
2	Contains information on human health effects
3	Contains information on ecotoxicity
4	Number of substances covered
5	Approximate cost (at time of writing, June 1995)

Textbooks/Hard Copies							
Author/Agency	Title	1	2	3	4	5	Comments
Sax, N I	Dangerous Properties of Industrial Materials (Van Nostrand Reinhold, London)	Yes	Yes	No		\$2,300	Comprehensive resource on substance properties and human health effects.
Weiss, G	Hazardous Chemicals Data Book (Noyes Data Corp., New Jersey, USA)	Yes	?	?			
Environment Canada	Manual for Spills of Hazardous Materials	Yes	Yes	Yes	220		Good reference for a small number of common substances
Environment Canada	Canadian Water Quality Guidelines	No	No	Yes	~100		Good background information on the most common aquatic toxicants
US Environmental Protection Agency (USEPA)	Quality Criteria for Water	No	No	Yes	~100		Good background information on the most common aquatic toxicants
International Technical Information Institute (Tokyo, Japan)	Toxic and Hazardous Industrial Safety Manual	Yes	No	No			
Federal Office for Road Safety (Australia)	Australian Code for the Transport of Dangerous Goods by Road and Rail	Yes	No	No		\$50	Information about UN hazardous substances classification and numbers
International Air Transport Association	Dangerous Goods Regulations	Yes	No	No		\$150	Information about UN hazardous substances classification and numbers
Agro-Research Enterprises Ltd	Agrichemical Directory and Hazard Response Book (Havelock North)	Yes	?	?	22,500	\$60	Identification of agrichemicals and spill response requirements
United States Coast Guard	Chemical Hazards Response Information System (CHRIS)						Focus on emergency procedures and spill response
Royal Society of Chemistry	Dictionary of Substances and their Effects (DOSE)	Yes	Yes	Yes			3 out of 7 volumes completed

Floppy Disk							
Author/Agency	Title	1	2	3	4	5	Comments
Brethericks	Reactive Chemical Hazards Database (Butterworth Heinemann)	Yes	No	No	4600		

CD-ROM							
Author/Agency	Title	1	2	3	4	5	Comments
Canadian Centre for Occupational Safety and Health	MSDS	Yes	Yes	?	87,000	\$350*	Information on Material Safety Data Sheets (product hazards, emergency and first aid response, safe working procedures)
Canadian Centre for Occupational Safety and Health	CHEM Source	Yes	Yes	Yes	106,000	\$300*	Extensive hazardous substances database containing information on substance properties, human health and environmental hazards Includes CHEMINFO and CESARS (Chemical Evaluation Search and Retrieval System)
	US Register of Toxic Effects of Chemical Substances (RTECS)	No	Yes	No	120,000	\$300*	Extensive database on human health effects of hazardous substances, including toxicity, skin/eye irritation, carcinogenicity, mutagenicity, and teratogenicity.
NZ National Poisons Centre	CD-Substance	Yes	Yes	No	16,000		Focus on medical emergencies and clean-up procedures.
SilverPlatter	CHEM-BANK	Yes	Yes	Yes	120,000	\$3432	Combination of existing hazardous substances databases; includes HSDB, CHRIS, RTECS and OHMTADS (Oil and Hazardous Materials Technical Assistance Data System).
Committee of the EC Environmental Institute of the Joint Research Centre	ECDIN	Yes	Yes	Yes	1,700		Environmental and risk information, including ecological and economic implications
Micromedex Inc.	TOMES PLUS	Yes	Yes	Yes			Wide range of existing hazardous substances databases, including Hazardous Substances Data Bank (HSDB), Integrated Risk Information System (IRIS), Chemical Hazards Response Information System (CHRIS), and Registry of Toxic Effects of Chemical Substances (RTECS)

* Annual subscription rate

Other							
Author/Agency	Title	1	2	3	4	5	Comments
NZ Safety Ltd	Safeline Service						Toll-free 0800 service to assist those involved in the identification of chemical hazards. Focuses on Material Safety Data Sheets and personal protection requirements.

On Line Databases							
Author/Agency	Title	1	2	3	4	5	Comments
Canadian Centre for Occupational Health and Safety	CCINFO Line	Yes	Yes	Yes		\$400*	Comprehensive collection of 50 health and safety databases from worldwide sources (core series comprises MSDS, CHEM Source, and RTECS).
New Zealand Poisons and Hazardous Chemicals Database	New Zealand Poison Centre / Cardinal Network	Yes	Yes	No	16,000		Focus on medical emergencies and clean-up procedures
US National Library of Medicine (NML). Access via the National Library of Australia (NLA)	TOXNET	Yes	Yes	Yes		\$ 25**	On-line access to HSDB, Chemical Carcinogenesis Research Information System (CCRIS), RTECS, ETICBACK/EMICBACK (mutagen and teratogen databases) and IRIS
USEPA	AQUIRE (Aquatic Toxicity Information Retrieval Database)	No	No	Yes	525		Comprehensive information on the toxicity of chemicals on aquatic organisms
USEPA	STARA (Studies on Toxicity Applicable to Risk Assessment)	No	No	Yes	200		Contains quantitative toxicological data on environmental chemicals.

* Annual subscription rate

** Hourly user charge