Subject Index

A

Access to Exposure and Medical Records, standard, 79
American Conference of Governmental Industrial Hygienists (ACGIH), 18, 23

B

Bibliographic data bases (See Data bases)
Bolt Beranek and Newman
chemical hazards, information activities, 177(table)
Buildings, labeling requirements: discussion, 150–152

C

Canada, proposed system for hazard communication, 124–130
Canadian Association of Administrators of Labour Legislation (CAALL)
to develop information system, 124–125
Carcinogens
determination of, 17, 23
by American Conference of Governmental Industrial Hygienists (ACGIH), 23
by CFR 1910.1000 Subpart Z, 23
Celanese Corporation
chemical risk assessment, 170
sample forms, 172–174
Chemical emergencies
data bases, bibliographic, 182–183(table)
data bases, factual, 180–181(table)
information retrieval, 177–179
Chemical exposure data bank, 208
Chemical hazard information, 20–23, 172, 177, 199–205
chemical emergencies, response to, 179
disclosure, panel discussion on, 61
growth of public consciousness, 2
toxicity testing, 169–170
Chemical labeling rules, 76
Chemical manufacturers/importers/distributors
labeling standards, 43–45
MSDS, performance standards, 45–47
sample forms, 48–51
panel discussion, 55–71
Chemical Manufacturers Association (CMA), 33
Chemical manufacturer/importer, 17
Chemical mixtures, 200
Chemical substance information network (CSIN), 176–198
Chemicals, toxicity testing of, 169–170
Clean Air and Water Laws, 76
Code of federal regulations (CFR) 1910.1000, Subpart Z, list of carcinogens, 23
Collective bargaining
right-to-know laws, effect of, 148–149
Community right to know (See Right to know, Hazard communication standards)
Compliance
responsibility of employer, 85
Compliance, deadline dates, 33
Compliance issues, panel discussion, 55–71
Confidentiality agreements
employee access to trade secrets
legal issues, 140
Consumer Product Safety Act, 23
Consumer Product Safety Commission, 200
Contractor training, 36–37
Contractors, compliance
required to train employees, 36
CSIN (Chemical substance information network), 176–198

D
Data bases
bibliographic, 170(table), 175–178, 206–211
emergency information retrieval, 179–186
nonbibliographic, 171(table)
Data communication, 200
Data sources, for toxicity, 170, 207–208
Deadline dates for compliance, 33
Department of Transportation
hazard communications regulations, 2–8
Disclosure data, 199–205 (See also MSDS)
Dose/response data, 200
Downshift liability (See Liability)

E
Emergency information retrieval, 176–187
Emergency procedures, 35
New Jersey, 118–123, 120–121(illus.)

F
Fire departments, right to know, 153–154
Food and Drug Administration
hazard communications regulations, 2–8
Freedom of information (See Right to know)
Full disclosure (See Disclosure)

H

Handbook of chemical industry labeling (ref.), 45
Hazard communication, 14, 16–17, 76, 172, 175–177, 188, 212 (See also OSHA Hazard Communication standard)
emergencies, 175–177, 178(table)
information, 199–205, 212
legal issues, 131–149, 199–205
Canada, proposed system, 124–130
need to know, 200
New Jersey Worker and Community Right-to-Know Act, 118–123
list of covered employers, 122–123(table)
3M company compliance plan, 89–106
training and education: discussion, 160–162
Hazard communication standards, 15, 20–22, 29–30, 32–38, 76–77, 142
addendum, 31
criticism, 77–78
federal versus state hazard communication, 75, 140–144
legal issues, 131–149, 199–205
AFL-CIO challenges claimed protections, 20–22, 131–132
Court of Appeals finds for AFL-CIO, 31
New Jersey litigation, 144
preemption (state versus federal), 140–145
need to know, 200
purpose, 32
regulatory action, 75
right-to-know requirements, 80(table)
right to know, New Jersey, 118–123
right to know, New York State, 113(table)
workplaces, 20–22, 25, 28, 103–104
summary, 212–223
Hazard determination, 16–17, 133, 177, 212
legal issues, 132–134
manufacturers’ responsibility for, 132
New York State, 113–114
procedures, 24–25, 134
Hazard identification
discussion, 68–70, 212–215
standard, 15
3M company compliance plan, 94–95
Hazard information, 1–8, 171–172, 176–177, 178(table), 188 (See also Hazard communication)
HAZARDLINE (See CSIN)
Hazardous and toxic substances, 32–38
carcinogens, 111
chemicals, employee exposure, 14
emergency information sources, 175–178
information sources, 170–172, 176–177, 188–192
labels and labeling requirements, 16–18, 22–24, 39–54, 84
Canada, 124–125
New Jersey right-to-know law, 118–123
sample toxicity evaluation form, 174(illus)
standards for communication, 15–16
state law, substance lists, 78(table)
summary outline form, sample, 173(illus)
3M company compliance plan, 89–106
Hazardous Materials Identification System, 43
Hazardous substances data bank, 208
(See also CSIN, Data bases)
Hazardous wastes, EPA regulations, 76
Health hazards, OSHA standard, 23
HMIS (See Hazardous Materials Identification System)

I
Industrial training, 32–38
Information
chemical industry perspective, 75–76
communication of, 1, 200
disclosure, 200
omission of, 207
retrieval, 208
Information networks and resources
discussion, 206–211
toxicology, 169, 177–178
International Agency for Research on Cancer (IARC), 17, 23, 111
International implications

L
Labels and labeling, 208–209
alternatives, 43
ANSI Z129.1-1982, 45
Canada, 124–125
chemicals, 14, 22, 45(ref.)
enforcement guidelines, 55–60, 99–100
examples, 42(illus), 44(illus), 99
exemptions, 41
for buildings: discussion, 150–155
Handbook of chemical industry labeling, 45
laboratories, applications to, 41–43
New Jersey, 120
of hazardous substances, 16–18, 22–24, 39–54, 84
summary, 212–223
3M company compliance plan, 89–106
Language, performance, 33
use of symbols, 36
Legal issues, 20–22, 31, 131–149
Liability, 147–148, 199–205; discussion, 206–211
Longshoremen’s Act of 1969
hazard communications regulations, 2

M
Manufacturer/Importer
must evaluate chemicals for hazards, 24
Manufacturing employer
3M company compliance plan, 90
OSHA standards challenged in court by AFL-CIO, 20–21
limited to SIC codes, 20–21
Maritime industry, hazard communication, 1
Material identification, 18, 37–38
Material properties, 18, 37–38, 45–47
Material safety data sheets (MSDS), 16, 40, 84, 154–160, 199–205
Canada, 124–126; discussion, 156–159
contents, 18, 24, 26–27, 37–38(appendix), 45–47, 212–223
disclosure data inadequate, 202–204
discussion, 206, 216–217
enforcement guidelines, discussion, 59–62, 64, 67–68
information resources, 196, 197(table)
sample forms, 48–54
3M Company compliance plan, 90, 92–95
Micro-CSIN (See CSIN)
MSDS, 16, 18, 24 (See also Material Safety Data Sheets)

N
National Institutes of Safety and Health (NIOSH), hazard regulations, 2–8
National Paint and Coatings Association
Hazardous Materials ID System (HMIS), 43, 44(illus)
National Toxicology Program (NTP), 17, 23, 78, 111
Need to know, 2–8, 200, 212–223
Negligence, 203, 210
New Jersey, Worker and Community Right-to-Know Act, 118–123
New York state, right-to-know laws, 109–117
NIOSH (See National Institutes of Safety and Health)
NLM/TOXNET (See CSIN)
Nonroutine tasks, employee training, 35

O
Occupational Safety and Health Act of 1970, 1, 76
Occupational Safety and Health Administration
Hazard Communication standard, 33, 40, (See also Hazard communication programs)
legal issues, 131–149, 199–205
preemption (state versus federal), 141–145
OSHA field operations manual
enforcement guidelines, discussion, 55
Ohmtads
Oil and hazardous material technical data system (See CSIN)
Omission, of information on MSDS, 207
Organization Resource Counselors (ORC), 33
OSHA standards
employee training program, 32–38
Hazard Communication standard, 22–23, 40
labels, 39–54
permissible exposure limit on MSDS, 18

P
Performance language, 33–36
for training, discussion, 63–65
use of symbols, 36, 65
Permissible exposure limit (PEL), 18
panel discussion, 57
Physical and chemical health hazards covered by OSHA standards, 23
regulatory and compliance issues
panel discussion, 58–62
Preemption (state versus federal), 140–142, 199–205, 218, 220–221
Proprietary business information, 86, 209, 218–219 (See also Trade secrets)
Protective information on MSDS, 18
Public health protection, New Jersey, 119
Record keeping, 36–38
Registry of Toxic Effects of Chemical Substances (RTECS), 78
Regulating agencies, federal of hazard communications, 2–8
  Department of Transportation (DOT)
  Environmental Protection Agency (EPA)
  Food and Drug Administration (FDA)
  National Institutes for Occupational Safety and Health (NIOSH)
  Occupational Safety and Health Administration (OSHA)
Regulatory and compliance issues, 20–21, 40
  chemical industry perspectives, 75–88
  environmental, 76
  hazardous wastes, 76
  legal issues, 131–149
  panel discussion, 55–71
  3M Company compliance plan, 91
  New Jersey, 119–120
  workplaces, 76
Right to know, 200
  versus need to know, summary, 212–223
Right-to-know laws, 2–8, 80(table), 82–83, 100 (See also Hazard communication)
Canada, discussion, 156–158
cost effect, 83, 110–111
effects on industry, 83–84, 99, 110
federal standard published, 201
fire departments: discussion, 153
information resources for hazardous substances, 176–198
legal issues, 131–149; discussion, 150
local and state governments, 14, 20, 40, 76–77, 81(table), 90
  New Jersey, 119–120; discussion, 150
  litigation, 144–147
New York State, 109–117
preemption, 201
  challenged by states, 140–141
state hazardous substance lists, 78(table)
3M company compliance plan, 91
  trade secret claims, 84
Risk assessment, 169
RTECS (See Registry of Toxic Effects of Chemical Substances)
Source data bases, 169 (See also Data bases)
Standards, 20–31
  training, compliance, 32–38
State and local laws, 20–21, 40, 76–77
  hazardous substance lists, 78(table)
Strict liability (See Liability)
Symbols, use of (See Performance language)
Testing, of chemical substances, 200
3M
  hazard communication program, 89–106
Threshold limit value (LTV), 18, 23
discussion, 57
3M Company compliance plan, 91
Toxic materials, exposure limits, 2, 23
Toxic Substances Control Act of 1976, 76, 200
TOXCHEM (Chemical data script) (See CSIN)

Toxicity data and information
- Celanese Corporation, 170
- communication of, 169, 172, 200
- hazards of, 169–170

Trade secrets, 16, 19, 79, 84–87
- Canada, 127, 218–219
- legal issues, 131–149, 200–201
  - confidentiality agreements, 139–140
  - employee access, 41, 139
    - New Jersey litigation, 142–147
    - New York State right-to-know law, 115
- restrictions and exemptions, 60, 70

Training and education
- compliance, performance-oriented, 62
  - cost estimates, 79
    - discussion, 160–161
    - evaluation, 36–38
  - labels and MSDS, 39–54
    - discussion, 98–106
  - manual, discussion, 62–63
  - New York State, right to know, 113–114
    - requirements, 32–38
  - 3M Company compliance program, 92, 94–97

TSCA (See Toxic substances control act)

W

Worker training and information, 14–17, 27
- Canada, 125–128
- New York State, 109–117
  - summary, 212–223

Workplace Hazardous Materials Information System (WHMIS), Canada, 125–130

Workplace right to know, 2–8, 101–102 (See also Right-to-know laws)
- state and local regulations, 20–21, 76–77, 110, 150