

105 CMR 670.000: "RIGHT TO KNOW"

Section

670.001: Purpose
670.005: Definitions
670.010: The Massachusetts Substance List
670.020: Trade Secrets
670.025: Physician's Access to Material Safety Data Sheets
Appendix A

670.001: Purpose

The purpose of 105 CMR 670.000 is to protect the public health by providing and encouraging the greatest possible transmission of health and safety information concerning toxic and hazardous substances.

670.005: Definitions

As used in 105 CMR 670.000 the following words and phrases have the following meanings:

Carcinogen means:

- (1) any substance or combination of substances which causes an increased incidence of benign and/or malignant neoplasms in one or more species; or,
- (2) any substance or combination of substances which substantially decreases the latency period between exposure and onset of a neoplasm in one or more species; or,
- (3) any substance or combination of substances which is metabolized into one or more substances that causes an increased incidence of neoplasms or decreases the latency period between exposure and onset of neoplasms in one or more species.

CAS Number means the identification number assigned by the Chemical Abstracts Service to a specific chemical substance.

Chemical Name means the scientific designation of a substance in accordance with the nomenclature system developed by the International Union of Pure and Applied Chemistry, or the system developed by the Chemical Abstracts Service.

Commissioner means the Commissioner of Public Health.

Common Name means any designation or identification such as a code name, code number, trade name, or brand name used to identify a substance other than by its chemical name.

Community Resident means any resident of a municipality in which an employer manufactures, processes, uses or stores toxic or hazardous substances listed in the Massachusetts Substance List.

Department means the Department of Public Health.

Designated Representative means an employee's treating physician upon written authorization by said employee, and the employee's collective bargaining agent who is certified, or is recognized by the employer of the employee without regard to written employee authorization. No other individual or organization shall be authorized to serve as a designated representative.

Employee means any individual employed on or after the effective date of M.G.L. c. 111F who is, has been, or may be exposed under normal operating conditions or foreseeable emergencies to any toxic or hazardous substance in the workplace. In the case of a deceased or legally incapacitated employee, the employee's spouse, guardian or executor may exercise all the employee's rights under M.G.L. c. 111F and 105 CMR 670.000. For the purposes of M.G.L. c. 111F and 105 CMR 670.000 any individual whose employment is terminated for any reason after the effective date of M.G.L. c. 111F is an employee.

670.005: continued

Employer means any person, firm, corporation, partnership, association or other entity engaged in a business or in providing services, including the Commonwealth of Massachusetts and any of its political subdivisions, that manufactures, processes, uses or stores toxic or hazardous substances, but not including the employment of domestic workers or casual laborers employed at the place of residence of the employer. Independent contractors shall be deemed the sole employer of their employees, even when said employees are performing work at the workplace of another employer as defined herein.

Expose or Exposure mean any situation arising from or related to the work operation of an employer where an employee or a community resident may ingest, inhale, absorb through the skin or eyes or otherwise come into contact with a toxic or hazardous substance.

Extraordinarily Hazardous Substance means a substance which is designated a carcinogen pursuant to 106 CMR 670.010(C)(1); or for which there exists valid and substantial evidence that the substance has an oral LD₅₀ of 25 milligrams or less per kilogram in one or more species of test animals, or an LC₅₀ of 0.5 milligrams per liter in one or more species of test animals exposed for a period of up to eight hours. A listing of an LD₅₀ or LC₅₀ in the Registry of Toxic Effects of Chemical Substances published by the National Institute for Occupational Safety and Health, June, 1983, or any amendment thereto, shall be deemed to establish that valid and substantial scientific evidence exists.

Lethal Concentration Fifty or LC₅₀ means a calculated dose of a gaseous substance which can be expected to cause the death of 50% of an entire defined experimental animal population. An LC₅₀ is determined by exposing a significant number of test animals to the substance by inhalation. An LC₅₀ for a gaseous substance is expressed as the ratio of the volume of the substance respired by the test animal to the total volume of air respired by the test animal in a specified time period.

Lethal Dose Fifty or LD₅₀ means a calculated dose of a substance which can be expected to cause the death of 50% of an entire defined experimental animal population. An LD₅₀ is determined by exposing a significant number of test animals to the substance by any route of exposure other than inhalation. An LD₅₀ is expressed as the ratio of the weight of the substance administered in a single dose or over a short period of time to the weight of the test animal.

Manufacturer means a person who produces, synthesizes, extracts, or otherwise makes a toxic or hazardous substance.

Massachusetts Substance List means a compilation of toxic or hazardous substances which are to be subject to the provisions of M.G.L. c. 111F. The Massachusetts Substance List is more fully described in 105 CMR 670.010.

Material Safety Data Sheet or MSDS means the written document which sets forth the following information for a toxic or hazardous substance:

- (1) the chemical name, any common names, and the CAS number of the toxic or hazardous substance; and
- (2) the hazards or other risks in the use of the toxic or hazardous substance, including:
 - (a) the potential for fire, explosion, corrosivity, and reactivity;
 - (b) the acute and chronic health effects of risks from exposure; including the medical conditions that might be aggravated by exposure; and
 - (c) the potential routes of exposure and symptoms of overexposure; and
- (3) the proper precautions, handling practices, necessary personal protective equipment, and other safety precautions in the use of or exposure to the toxic or hazardous substance, including appropriate emergency treatment in case of overexposure at hazardous levels; and
- (4) the emergency procedures for spills, fire, disposal and first aid; and
- (5) a description in lay terms, of the specific potential health risks posed by the toxic or hazardous substance intended to alert any person reading this information, including but not limited to carcinogenic, mutagenic, teratogenic, or neurotoxic effects, for substances so designated on the Massachusetts Substance List, pursuant to M.G.L. c. 111F, § 4(c); and
- (6) the month and year that the information was compiled and the name, address, and emergency telephone number of the manufacturer responsible for preparing the information.

670.005: continued

Medical Emergency means a serious medical condition which poses an imminent threat to a person's health, caused, or suspected to have been caused, by accidental exposure to a toxic or hazardous substance, and which requires immediate treatment by a physician.

Mixture means any solution or intimate admixture of two or more substances, at least one of which is present as a toxic or hazardous substance listed on the Massachusetts Substance List, which do not react chemically with each other.

Production or Manufacture of Goods for Direct Commercial Sale means the production or manufacture, or the monitoring or quality control of the production or manufacture of any goods intended to be sold at wholesale or retail, or intended to be used in the production of goods intended to be sold at wholesale or retail.

Teratogen means any substance or combination of substances for which valid scientific evidence shows that prenatal exposure may lead to mortality, structural malformation, functional/behavioral deficits or growth retardation of the zygote, embryo, fetus, neonate, child or adult.

Toxic or Hazardous Substance means any chemical substance or mixture of substances in a gaseous, liquid or solid state which is listed in the Massachusetts Substance List (*see* 105 CMR 670.010), and which is manufactured, processed, used or stored in the workplace, but which shall not include alcoholic beverages as defined in M.G.L. c. 138, § 1, or articles intended for personal consumption by employees in the workplace, or consumer articles packaged for distribution to, and used by, the general public, or articles sold or used in retail food establishments and all other retail trade establishments, exclusive of articles used in processing and repair areas, or substances being transported in interstate commerce.

Trade Secret means any formula, pattern, device or compilation of information which is used in an employer's or manufacturer's business, and which gives said employer or manufacturer an opportunity to obtain an advantage over competitors who do not know or use it.

670.010: The Massachusetts Substance List

(A) Explanation. The Massachusetts Substance List is contained in 105 CMR 670.000: *Appendix A*. The Massachusetts Substance List contains those toxic or hazardous substances to which the provisions of M.G.L. c. 111F apply. Each of these substances has been added to the Massachusetts Substance List for one of the following three reasons:

- (1) The substance appears on one of the source lists specified in 105 CMR 670.010(B); or
- (2) The substance is a member of a generic category which appears on one of the source lists and the Commissioner has determined, after a rule making proceeding pursuant to M.G.L. c. 111F, § 4(e), that, based upon a preponderance of the evidence before the Commissioner in connection with such proceeding, substantial and valid scientific evidence exists that exposure to the substance may result in an acute or chronic risk to human health or safety; or
- (3) The substance does not appear on any of the source lists and does not belong to a generic category which appears on any of the source lists, but the Commissioner has determined, after a rule making proceeding pursuant to M.G.L. c. 111F, § 4(g), that, based upon a preponderance of the evidence before the Commissioner in connection with such proceeding, substantial and valid scientific evidence exists that accidental exposure to the substance poses an acute or chronic risk to human health or safety.

(B) Source List. Any substance which appears on any of the following source lists shall be added to the Massachusetts Substance List:

- (1) Substances found to have at least sufficient evidence of carcinogenicity in animals as indicated in monographs published by the International Agency for Research on Cancer (IARC).
- (2) (a) Substances designated as toxic or hazardous substances by the United States Occupational Safety and Health Administration and identified in 29 CFR 1910.1000 *et seq.* (Sub Part Z).

670.010: continued

- (b) Substances identified in "Occupational Health Guidelines for Chemical Hazards" published by the National Institute for Occupational Safety and Health.
 - (3) Substances listed in the most recent edition of the "Annual Report on Carcinogens" published by the National Toxicology Program of the United States Public Health Service.
 - (4) Substances for which a threshold Limit Value (TLV) has been established by the American Conference of Government Industrial Hygienists.
 - (5) Substances listed by the National Fire Protection Association in "Hazardous Chemicals Data" (NFPA 49).
 - (6) Substances listed by the National Fire Protection Association and rated II through IV as health hazards or rated III through VI as flammability or reactivity hazards in "Fire Hazard Properties of Flammable Liquids, Gasses, Volatile Solids" (NFPA 325 M).
 - (7) Substances listed as carcinogens by the Carcinogen Assessment Group of the United States Environmental Protection Agency.
 - (8) Pesticides which have been classified for restricted use by the United States Environmental Protection Agency pursuant to 40 CFR 162.30.
 - (9) Substances listed in a review by National Cancer Institute scientists published in the Journal of Toxicology and Environmental Health, 8:251-280, Tables 3 through 6, and in subsequent published reviews by National Cancer Institute scientists of substances which meet the criteria of the National Toxicology Program for significant carcinogenic effect.
- Following each entry on the Massachusetts Substance List is a number or numbers in parentheses which indicate(s) the source list(s) from which the entry is taken.

(C) Designation as Carcinogen, Mutagen, Teratogen or Neurotoxin.

- (1) Carcinogens. Any substance shall be designated as a carcinogen on the Massachusetts Substance List if it appears in any of Source Lists (1), (3), (7) or (9) under 105 CMR 670.010(B); or if the Commissioner determines, based upon a preponderance of the substantial and valid scientific evidence reasonably available to the Commissioner, that exposure to the substance may pose a risk of cancer in humans.
- (2) Mutagens. Any substance shall be designated a mutagen on the Massachusetts Substance List if the Commissioner determines, based upon a preponderance of the substantial and valid scientific evidence reasonably available to the Commissioner, that exposure to the substance may pose a risk of mutagenesis in humans.
- (3) Teratogens. Any substance shall be designated a teratogen on the Massachusetts Substance List if the Commissioner determines, based upon a preponderance of the substantial and valid scientific evidence reasonably available to the Commissioner, that exposure to the substance may pose a risk of teratogenesis in humans.
- (4) Neurotoxins. Any substance shall be designated as a neurotoxin on the Massachusetts Substance List if it is an organophosphate or carbamate pesticide; or if the Commissioner determines, based upon a preponderance of the substantial and valid scientific evidence reasonably available to the Commissioner, that exposure to the substance may pose a risk of neurotoxic effects in humans.

(D) Concentration Limits for Extraordinarily Hazardous Substances. An extraordinarily hazardous substance shall be deemed to be present in a mixture if the concentration of such substance is greater than one milligram per kilogram (*i.e.*, greater than one part per million).

670.020: Trade Secrets

- (A) Introduction. 105 CMR 670.020 governs the manner in which the Commissioner shall determine whether the chemical name, common name, and/or CAS number of a toxic or hazardous substance is a trade secret of the manufacturer or employer who prepares an MSDS for the substance. If the determination is made that the chemical name, common name and/or CAS number of the substance is a trade secret of the preparer of the MSDS, then:
 - (1) the preparer of the MSDS may omit the chemical name, common name, and/or CAS number from the MSDS; and
 - (2) the preparer of the MSDS and any employer who obtains the substance from the preparer of the MSDS may omit the chemical name, common name, and/or CAS number from the labels on containers of the substance.

670.020 continued

As used in 105 CMR 670.020, the term "preparer" means the manufacturer or employer who prepares an MSDS and applies for a determination that the chemical name, common name and/or CAS number of the toxic or hazardous substance is a trade secret of the preparer.

As used in 105 CMR 670.020, the term "identity of the substance" means the chemical name, common name and/or CAS number of the substance.

(B) Determination. The Commissioner shall determine that the identity of a toxic or hazardous substance is a trade secret of the preparer if he or she finds, pursuant to 105 CMR 670.020(D), that:

- (1) the preparer has provided all of the information required in 105 CMR 670.020(C); and
- (2) the identity of the substance is a secret which gives the preparer a competitive advantage over competitors who do not know the identity of the substance and the purpose for which the preparer uses the substance and do not use the substance themselves for that purpose.

670.025: Physician's Access to Material Safety Data Sheets

(A) Introduction. 105 CMR 670.025 governs the manner in which physicians and other medical personnel may obtain and use Material Safety Data Sheets (MSDS's) pursuant to the provisions of M.G.L. c. 111F, § 20. Under M.G.L. c. 111F, § 20 an employer or manufacturer is required, under certain circumstances described in 105 CMR 670.025(B) and (C), to provide an MSDS or MSDS's immediately on a confidential basis to a physician who states in writing that his or her patient has a medical condition which may be the result of exposure to a toxic or hazardous substance manufactured by the manufacturer and/or processed, used or stored by the employer. The physician is then required to sign a confidentiality agreement on a form prescribed by the Commissioner.

The provisions of 105 CMR 670.025 apply only with respect to patients who are or become employees or community residents as defined in 105 CMR 670.005, on or after the effective date of M.G.L. c. 111F.

Nothing in M.G.L. c. 111F or in 105 CMR 670.000 shall prevent an employer or manufacturer from voluntarily providing MSDS's to a physician or any other person.

An employer is not required to include, on an MSDS provided to a designated representative, the identity of the substance if the Commissioner or his designee has determined pursuant to 105 CMR 670.020 that the identity of the substance is a trade secret of the preparer of the MSDS. A physician who is a designated representative and who seeks an MSDS without such trade secret identity is not required to comply with the procedures specified in 105 CMR 670.025.

105 CMR 670.025(B), applies to the situation in which the patient for whose treatment or care MSDS information is sought is a former employee who may have been exposed to toxic or hazardous substances in the workplace. 105 CMR 670.025(C), applies to the situation in which the patient is a resident of the municipality in which a workplace is or was located which may have been the source of the patient's exposure. 105 CMR 670.025(D) and (E), contain additional provisions which apply to both situations.

(B) The Patient is a Former Employee. An employer or manufacturer who has manufactured, processed, used or stored a substance listed on the Massachusetts Substance List shall provide immediately on request an MSDS for such substance to a physician treating a former employee of said employer or manufacturer. The MSDS shall include the name of the substance even if the Commissioner has determined that the identity of the substance is a trade secret. However, an employer who is not the preparer of the MSDS shall not be required to include a trade secret name which the employer does not know. The employer or manufacturer shall include with the MSDS or MSDS's which it provides a copy of the Physician's Confidentiality Agreement for the physician to sign and return pursuant to 105 CMR 670.025(E).

670.025: continued

(C) The Patient is a Community Resident.

(1) An employer or manufacturer who has manufactured, processed, used or stored a substance listed on the Massachusetts Substance List shall provide immediately on request an MSDS for such substance to a physician treating a resident of the municipality in which the employer's workplace is or was located. If the physician signs the emergency statement as set forth in 105 CMR 670.025(C)(2), then the MSDS shall include the name of the substance even if the Commissioner has determined that the identity of the substance is a trade secret. However, an employer who is not the preparer of the MSDS shall not be required to include a trade secret name which is not included on the MSDS. The employer or manufacturer shall include with the MSDS or MSDS's which it provides a copy of the Physician's Confidentiality Agreement for the physician to sign and return pursuant to 105 CMR 670.025(E).

(2) To obtain the name of a substance which the Commissioner has determined is a trade secret of the preparer of the MSDS, a physician treating a community resident shall include in the physician's statement required by 105 CMR 670.025(D), a statement that the patient has a serious medical condition which poses an imminent threat to the patient's health and which requires immediate treatment by a physician.

(D) Physician's Statement and Request for MSDS's.

(1) A physician or, in a medical emergency, medical personnel acting under the direct instruction of a physician, may request an MSDS or group of MSDS's for the toxic or hazardous substance(s) to which the physician's patient may have been exposed.

(2) Except in a medical emergency, the physician shall make the request in writing. The written request shall include the following:

- (a) the identity of the substance or substances, if known to the physician; or
- (b) if the identity of a substance is not known to the physician, then the physician shall indicate as specifically as he or she is able which MSDS(s) are sought; and
- (c) a statement that the physician is treating a patient who has a condition which is or may be the result of, or may have been aggravated by, exposure to toxic or hazardous materials which may be or may have been present in the workplace (This statement shall indicate whether the patient is a present employee, former employee, or community resident); and
- (d) if the patient is a community resident and the physician wishes to receive the name of a substance which the Commissioner has determined is a trade secret of the preparer of the MSDS, then the written request shall also include a statement that the patient has a serious medical condition which poses an imminent threat to the patient's health and which requires immediate treatment by a physician, (If the patient is an employee or former employee, then the physician is not required to include this statement in order to obtain the name of a substance which has been determined to be a trade secret.); and
- (e) the location of the workplace (including the part of the workplace, if known to the physician) which is believed to be the source of the exposure; and
- (f) the name, address and signature of the physician.

(3) In a medical emergency, the request may be made orally (including by telephone), and may be made by medical personnel acting under the direct instruction of the physician. As defined in 105 CMR 670.005, a "medical emergency" is a serious medical condition which poses an imminent threat to a person's health, caused, or suspected to have been caused, by accidental exposure to a toxic or hazardous substance, and which requires immediate treatment by a physician. An oral request in a medical emergency shall include:

- (a) the identity of the substance or substances, if known to the requester; or
- (b) if the identity of a substance is not known to the requester, then the requester shall indicate as specifically as he or she is able which MSDS(s) are sought; and
- (c) a statement that the physician is treating a patient who has a condition which is or may be the result of, or may have been aggravated by, exposure to toxic or hazardous materials which may be or may have been present in the workplace (This statement shall indicate whether the patient is a present employee, former employee, or community resident); and

670.025: continued

- (d) if the patient is a community resident and the physician wishes to receive the name of a substance which the Commissioner has determined is a trade secret of the preparer of the MSDS, then the requester shall also include a statement that the patient has a serious medical condition which poses an imminent threat to the patient's health and which requires immediate treatment by a physician; (If the patient is an employee or former employee, then the requester is not required to include this statement in order to obtain the name of a substance which has been determined to be a trade secret.); and
 - (e) the location of the workplace (including the part of the workplace, if known to the physician) which is believed to be the source of the exposure; and
 - (f) the name of the physician who is treating the patient; and
 - (g) the name and location of the hospital, clinic or other location at which the patient is being treated; and
 - (h) if the request is made by non-physician medical personnel, the name and employer of the medical personnel making the request; and
 - (i) the phone number from which the request is being made.
- (4) In a medical emergency at which a physician is not present, non-physician medical personnel may request orally, including by telephone, that the employer provide orally the information contained on an MSDS which explains emergency treatment response.
- (5) Following an oral request in a medical emergency pursuant to 105 CMR 670.025(D)(3), the physician shall as soon as practicable, but in any case no later than 24 hours after the MSDS(s) are received, deliver to or cause to be mailed to the employer or manufacturer a written confirmation of the oral request which includes the information specified for a written request in 105 CMR 670.025(D)(2).

(E) Physician's Confidentiality Agreement.

- (1) The Commissioner shall prescribe the form of a Physician's Confidentiality Agreement, and shall make copies of the Agreement form available to employers and manufacturers upon request. Employers and manufacturers who provide MSDS(s) as required by 105 CMR 670.025(B) and (C), and who wish the physician to sign the Confidentiality Agreement, shall provide a copy of the Agreement accompanying the MSDS(s) and shall request the physician to sign and return the agreement.
- (2) Upon receipt of a copy of the Confidentiality Agreement form from an employer or manufacturer who has provided an MSDS or MSDS's, the physician shall immediately, or, in the case of geographical separation, as soon as practicable, but in any case within 24 hours, deliver to, or cause to be mailed to the employer or manufacturer a signed copy of the Confidentiality Agreement.
- (3) The form of the Confidentiality Agreement prescribed by the Commissioner shall state:
- "I agree to keep the MSDS's which you have provided under M.G.L. c. 111F confidential in the same manner and to the same extent that I normally preserve the confidentiality of other medical information about my patient.
- "In addition, if the name of a substance for which you provided an MSDS has been determined by the Commissioner of Public Health to be a trade secret, and if you have so informed me and requested me to do so in writing, I will not place the name of the substance in the patient's regular medical record. If, in order to properly treat my patient, I believe that it is necessary that I maintain a record of such a trade secret name, I shall do so in a separate file. I may disclose such trade secret name to other medical personnel only if I believe that it is necessary that they know such trade secret name in order to provide proper treatment to my patient.

105 CMR: DEPARTMENT OF PUBLIC HEALTH

670.025: continued

"With regard to MSDS information which you provide and which you have not informed me has been determined to be a trade secret by the Commissioner of Public Health I may use such information in the same manner in which I generally use other medical information about my patient.

"I acknowledge that this is a legally binding agreement under the Massachusetts "Right to Know" law, M.G.L. c. 111F."

REGULATORY AUTHORITY

105 CMR 670.000: M.G.L. c. 111F.

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A
MASSACHUSETTS SUBSTANCE LIST (MSL)
 In order of Alphabetical Name of Substance

CAS No.		Name	References
62207.76.5	*	((2,2'(1,2-ETHANEDIYLBIS(NITRILUMETHYLIDYNE))	F6
119.90.4	*	(1,1' BIPHENYL)-4,4'-DIAMINE,3,3- DIMETHOXY	1,3,7 *E*C* F8 F9
25013.16.5	*	(1,1 DIMETHYL)-4 METHOXYPHENOL	1 *E*C*
111.41.1		(2-AMINOETHYL) ETHANOLAMINE	6
2454.37.7		(M-AMINOPHENYL)METHYL CARBINOL	6
N/A		(METHYCARBAMOYL) OXIME	*E* F6
555.84.0		1-(5 NITROFURFURYLIDENE)AMINO)-2-IMIDAZOLIDINONE	1 *E*C*
140.31.8		1-(2-AMINOETHYL) PIPERAZINE	6
13909.09.6		1-(2-CHLOROETHYL)-3-(4 METHYLCYCLOHEXYL)-1-NITROSOUREA	1 *E*C*
13010.47.4		1-(2-CHLOROETHYL)-3-CYCLOHEXYL-1-NITROSOUREA	1,3 *E*C*
124.16.3		1-(BUTOXYETHOXY)-2-PROPANOL	6
67.72.1	*	1,1,1,2,2,2-HEXACHLOROETHANE	2,4,7,9 *E*C* F8 F9
76.11.9		1,1,1,2-TETRACHLORO-2,2-DIFLUOROETHANE	2,4 F8
630.20.6		1,1,1,2-TETRACHLOROETHANE	F7 F8
72.43.5	*	1,1,1-TRICHLORO 2,2-BIS-(P-METHOXYPHENYL) ETHANE	2,4 F8 F9
71.55.6		1,1,1-TRICHLOROETHANE	2,4,5,6 F7 F8 F9
127.18.4	*	1,1,2,2-TETRACHLOROETHENE	1,2,4,5,6,7,9 *E*C* F7 F8 F9
79.27.6	*	1,1,2,2-TETRABROMOETHANE	2,4,5,6
76.12.0		1,1,2,2-TETRACHLORO-1,2-DIFLUOROETHANE	2,4 F8
79.34.5		1,1,2,2-TETRACHLOROETHANE	2,4,7 9 *E*C* F8 F9
76.13.1		1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2,4 F8 F9
79.00.5		1,1,2-TRICHLOROETHANE	2,4,5,7,9 *E*C* F7 F8 F9
595.44.8		1,1-DICHLORO-1-NITRO PROPANE	6
594.72.9		1,1-DICHLORO-1-NITROETHANE	2,4,6 F8
75.34.3		1,1-DICHLOROETHANE	2,4,6,9 F7 F8
75.35.4	*	1,1-DICHLOROETHENE	4,5,6,7 *E*C* F7 F8 F9
75.35.4	*	1,1-DICHLOROETHYNE	4,5,6,7 *E*C* F7 F8 F9
78.99.9		1,1-DICHLOROPROPANE	F8
563.58.6		1,1-DICHLOROPROPENE	F7
57.14.7		1,1-DIMETHYLHYDRAZINE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
81.07.2	*	1,1-DIOXIDE-1,2-BENZISOTHIAZOLIN-3-ONE	3,7 *E*C* F8 F9
60.29.7	*	1,1'-OXYBISETHANE	2,4,5,6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
540.73.8		1,2-DIMETHYLHYDRAZINE	1,7 *E*C* F8
1321.16.0		1,2,3,6-TETRAHYDROBENZALDEHYDE	6
87.61.6		1,2,3-TRICHLOROBENZENE	F7
96.18.4		1,2,3-TRICHLOROPROPANE	2,4,6 F7
95 94.3		1,2,4,5-TETRACHLOROBENZENE	F8
61.82.5	*	1,2,4-TRIAZOLE-3-AMINO	1,2,3,4,7,8 *E*C* F8
120.82.1		1,2,4-TRICHLOROBENZENE	4,6 F7 F8 F9
56.49.5	*	1,2,-DIHYDRO-3-METHYL BENZ(J)ACEANTHYRLENE	7 *E*C* F8
189.55.9	*	1,2:7.8-DIBENZOPYRENE	1,3,7 *E*C* F8
218.01.9	*	1,2-BENEPHENANTHRENE	6
85.44.9	*	1,2-BENZENEDICARBOXYLIC ACID ANHYDRIDE	2,4,5,6 F8 F9
84.66.2	*	1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER	2,4 F8 F9
117.81.7	*	1,2-BENZENEDICARBOXYLIC ACID[BIS(2 ETHYLHEXYL)] ESTER	1,2,3,4 *E*C* F8 F9
51.43.4		1,2-BENZENEDIOL,4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]	F8
106.88.7		1,2-BUTYLENE OXIDE	5,6 F9
107.15.3	*	1,2-DIAMINOETHANE	2,4,5,6 *E* F6 F8
96.12.8		1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	1,3,7,8,9 *E*C* F7 F8 F9
106.93.4	*	1,2-DIBROMOETHANE	1,2,3,4,5,7,9 *E*C* F7 F8 F9
95.50.1	*	1,2-DICHLOROBENZENE	2,4,5,6 F7 F8 F9
616.21.7		1,2-DICHLOROBUTANE	6
107.06.2		1,2-DICHLOROETHANE	1,2,3,4,5,6,7,9 *E*C* F7 F8 F9
540.59.0	*	1,2-DICHLOROETHENE	2,4,5,6 F9
540.59.0	*	1,2-DICHLOROETHENE	2,4,5,6 F9
10140.87.1		1,2-DICHLOROETHYL ACETATE	*E* F6
78.87.5	*	1,2-DICHLOROPROPANE	2,4,5,6 F7 F8 F9
1615.80.1		1,2-DIETHYLHYDRAZINE	1,7 *E*C* F8
123.33.1		1,2-DIHYDRO-3,6-PYRIDAZINEDIONE	F8
107.21.1	*	1,2-DIHYDROXYETHANE	2,4 F9
528.9.0	*	1,2-DINITROBENZOL	2,4,5,6 F8
122.66.7	*	1,2-DIPHENYLHYDRAZINE	3,7, 9 *E*C* F8 F9
75.56.9	*	1,2-EPOXYPROPANE	1,2,4,5,6 *E*C* F6 F8 F9
111.54.6		1,2-ETHANEDIYLBISCARBAMODITHIOIC ACID	F8
107.06.2	*	1,2-ETHYLIDENE DICHLORIDE	1,2,3,4,5,6,7,9 *E*C* F7 F8 F9
120.58.1	*	1,2-METHYLENE DIOXY 4 PROPENYL BENZENE	1,7 *E*C* F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
94.59.7	*	1,2-METHYLENEDIOXY-4-ALLYL BENZENE	1,3,7 *E*C* F8 F9
94.58.6	*	1,2-METHYLENEDIOXY-4-PROPYL BENZENE	1,7 *E*C* F8
1120.71.4	*	1,2-OXATHIOLANE,2,2-DIOXIDE	1,3,4,7 *E*C* F8 F9
108.67.8	*	1,3,5-TRIMETHYL BENZENE	F7
108.46.3	*	1,3-BENZENEDIOL	2,4 F8
106.99.0		1,3-BUTADIENE	1,2,4,5,6 *E*C* F9
590.88.5		1,3-BUTANEDIAMINE	6
542.92.7	*	1,3-CYCLOPENTADIENE	2,4
616.29.5		1,3-DIAMINO-2-PROPANOL	6
7415.31.8		1,3-DICHLORO-2-BUTENE	6
96.23.1		1,3-DICHLORO-2-PROPANOL	6
118.52.5		1,3-DICHLORO-5,5-DIMETHYL HYDANTOIN	2,4
541.73.1		1,3-DICHLOROBENZENE	F7 F8 F9
926.57.8		1,3-DICHLOROBUTENE-2	6
142.28.9		1,3-DICHLOROPROPANE	F7 F8
542.75.6		1,3-DICHLOROPROPENE	1,4,6 *E*C* F7 F8 F9
542.75.6		1,3-DICHLOROPROPENE (TECHNICAL GRADE)	3 *E*C*
591.21.9		1,3-DIMETHYL CYCLOHEXANE	6
108.09.8		1,3-DIMETHYLBUTYLAMINE	6
26419.73.8		1,3-DITHIOLANE-2-CARBOXYALDEHYDE,2,4-DIMETHYL, O	F6
504.60.9		1,3-PENTADIENE (CIS & TRANS MIXED)	6 F8
1120.71.4		1,3-PROPANE SULTONE	1,3,4,7 *E*C* F8 F9
109.76.2		1,3-PROPANEDIAMINE	6
55.98.1		1,4-BUTANEDIOL DIMETHANESULPHONATE	1,3 *E*C*T1*
106.46.7	*	1,4-DICHLOROBENZENE	1,2,3,4,6 *E*C* F7 F8 F9
110.56.5		1,4-DICHLOROBUTANE	5,6
123.91.1	*	1,4-DIETHYLENE DIOXIDE	1,2,3,4,5,6,7,9 *E*C* F8 F9
589.90.2		1,4-DIMETHYLCYCLOHEXANE	6
624.29.3		1,4-DIMETHYLCYCLOHEXANE CIS	6
2207.04.7		1,4-DIMETHYLCYCLOHEXANE TRANS	6
123.91.1		1,4-DIOXANE	1,2,3,4,5,6,7,9 *E*C* F8 F9
592.45.0		1,4-HEXADIENE	6
130.15.4		1,4-NAPHTHALENEDIONE	F8
15980.15.1		1,4-THIOXANE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1552.12.1		1,5-CYCLOOCTADIENE	6
628.76.2		1,5-DICHLOROPENTANE	6
2243.62.1		1,5-NAPHTHALENEDIAMINE	9 *E*C*
124.09.4		1,6-HEXANEDIAMINE	4
4835.11.4		1,6-HEXANEDIAMINE,N,N' DIBUTYL	*E* F6
58.36.6	*	10,10'-OXYDIPHENOXARSINE	*E* F6
82.28.0		1-AMINO-2-METHYLANTHRAQUINONE	3,9 *E*C* F9
78.96.6		1-AMINO-2-PROPANOL	6
110.53.2		1-BROMOPENTANE	5,6
109.79.5	*	1-BUTANETHIOL	2,4 6
71.36.3	*	1-BUTANOL	2,4,5,6 F8 F9
106.98.9		1-BUTENE	6
598.92.5		1-CHLORO-1-NITROETHANE	6 F8
600.25.9		1-CHLORO-1-NITROPROPANE	2,4,6
106.89.8	*	1-CHLORO-2,3-EPOXYPROPANE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
97.00.7		1-CHLORO-2,4-DINITROBENZENE	5 F8
127.00.4		1-CHLORO-2-PROPANOL	6
100.00.5	*	1 CHLORO 4 NITROBENZENE	2,4,6 F8
544.10.5		1-CHLOROHEXANE	5,6
543.59.9		1-CHLOROPENTANE	5,6
590.21.6		1-CHLOROPROPYLENE	6
4784.77.4		1-CROTYL BROMIDE	6
591.97.9		1-CROTYL CHLORIDE	6
95.14.7		1H-BENZOTRIAZOLE	9
592.41.6		1-HEXENE	6
26148.68.5	*	1-H PYRIDO[2,3-B]INDOL-2-AMINE	1 *E*C*
141.79.7	*	1-ISOBUTENYL METHYL KETONE	2,4,5,6
109.01.3		1-METHYL PIPERAZINE	6
121.14.2	*	1-METHYL-2,4-DINITROBENZENE	2,4,5,6,7,9 *E*C* F8 F9
606.20.2		1-METHYL-2,6-DINITROBENZENE	F8 F9
872.50.4		1-METHYL-2-PYRROLIDONE	6
504.60.9	*	1-METHYLBUTADIENE	6 F8
98.82.8	*	1-METHYLETHYLBENZENE	2,4,5 F7 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
90.12.0		1-METHYLNAPHTHALENE	6
134.32.7		1-NAPHTHYLAMINE	6,7 *E*C* F8 F9
134.32.7	*	1-NAPHTHYLAMINE, TECHNICAL GRADE	2,6,7 *E*C* F8 F9
108.03.2		1-NITROPROPANE	2,4,5
111.88.6		1-OCTANETHIOL	6
111.66.0		1-OCTENE	6
71.41.0	*	1-PENTANOL	5,6
109.67.1		1-PENTENE	6
110.58.7	*	1-PENTYLAMINE	5,6
627.19.0		1-PENTYNE	6
107.10.8	*	1-PROPANAMINE	5,6 F8
3570.75.0		2-(2-FORMYLHYDROZINO)-4-(5-NITRO-2-FURYL)THIAZOLE	1 *E*C*
3688.53.7		2-(2-FURYL)-3-(5-NITRO-2-FURYL)ACRYLAMIDE	1 *E*C*
2426.54.2		2-(DIETHYLAMINO) ETHYL ACRYLATE	6
108.01.0		2-(DIMETHYLAMINO) ETHANOL	6
2867.47.2		2-(DIMETHYLAMINO) ETHYL METHACRYLATE	6
1116.54.7	*	2,2- (NITROSOIMINO)BIS ETHANOL	1,3,7 *E*C* F8
13654.09.6	*	2,2',3,3',4,4',5,5',6,6'-DECABROMO-1,1'BIPHENYL	1 *E*C* F9
7154.79.2		2,2,3,3-TETRAMETHYLPENTANE	6
1186.53.4		2,2,3,4-TETRAMETHYLPENTANE	6
464.06.2		2,2,3-TRIMETHYLBUTANE	6
564.02.3		2,2,3-TRIMETHYLPENTANE	6
3522.94.9		2,2,5-TRIMETHYLHEXANE	6
59080.40.9		2,2',4,4',5,5'-HEXABROMO-1,1'BIPHENYL	1 *E*C* F9
108.60.1		2,2-DICHLORO ISOPROPYL ETHER	6 F8 F9
594.20.7		2,2-DICHLOROPROPANE	F7
75.99.0		2,2-DICHLOROPROPIONIC ACID	4 F8
115.76.4		2,2-DIETHYL-1,3-PROPANEDIOL	6
75.83.2		2,2-DIMETHYLBUTANE	6
463.82.1		2,2-DIMETHYLPROPANE	6
97.18.7	*	2,2'-THIOBIS(4,6-DICHLOROPHENOL)	*E* F6 F8 F9
594.56.9		2,3,3-TRIMETHYL-1-BUTENE	6
560.21.4		2,3,3-TRIMETHYLPENTANE	6
58.90.2		2,3,4,6-TETRACHLOROPHENOL	F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
15950.66.0		2,3,4-TRICHLOROPHENOL	F8 F9
565.76.4		2,3,4-TRIMETHYL-1-PENTENE	6
933.78.8		2,3,5-TRICHLOROPHENOL	F8 F9
933.75.5		2,3,6-TRICHLOROPHENOL	F8 F9
1746.01.6		2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1,3,7 *E*C*T2* F8
431.03.8		2,3-BUTANEDIONE	6
126.72.7	*	2,3-DIBROMO-1-PROPANOL PHOSPHATE (3:1)	1,3,7,9 *E*C* F8 F9
1653.19.6		2,3-DICHLOROBUTADIENE-1,3	6
7581.97.7		2,3-DICHLOROBUTANE	6
78.88.6		2,3-DICHLOROPROPENE	6 F8
32749.94.3		2,3-DIMETHYL PENTALDEHYDE	6
563.78.0		2,3-DIMETHYL-1-BUTENE	6
563.79.1		2,3-DIMETHYL-2-BUTENE	6
79.29.8		2,3-DIMETHYLBUTANE	6
584.94.1		2,3-DIMETHYLHEXANE	6
565.59.3		2,3-DIMETHYLPENTANE	6
556.52.5	*	2,3-EPOXY-1-PROPANOL	2,4
107.39.1		2,4,4-TRIMETHYL-1-PENTENE	6
107.40.4		2,4,4-TRIMETHYL-2-PENTENE	6
93.76.5	*	2,4,5-T	2,4 *T2* F8
32534.95.5		2,4,5-T ACID ESTERS	F8
1319.72.8		2,4,5-T AMINES	F8
2008.46.0	*	2,4,5-T AMINES	F8
3813.14.7	*	2,4,5-T AMINES	F8
6369.96.6	*	2,4,5-T AMINES	F8
6369.97.7	*	2,4,5-T AMINES	F8
1928.47.8	*	2,4,5-T ESTERS	F8
25168.15.4	*	2,4,5-T ESTERS	F8
2545.59.7	*	2,4,5-T ESTERS	F8
61792.07.2	*	2,4,5-T ESTERS	F8
93.79.8	*	2,4,5-T ESTERS	F8
13560.99.1		2,4,5-T SALTS	F8
95.95.4		2,4,5-TRICHLOROPHENOL	F8 F9
93.76.5		2,4,5-TRICHLOROPHENOXY ACETIC ACID	2,4 *T2* F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
25168.15.4	*	2,4,5-TRICHLOROPHENOXY ACETIC ACID, ISOOCTYL ESTER	F8
137.17.7		2,4,5-TRIMETHYLANILINE	9 *E*C*
88.06.2		2,4,6-TRICHLOROPHENOL	1,3,7 9 *E*C* F8 F9
88.05.1		2,4,6-TRIMETHYL ANILINE	*E* F6
88.89.1	*	2,4,6-TRINITROPHENOL	2,4,5 F8 F9
479.45.8	*	2,4,6-TRINITROPHENYLMETHYLNITRAMINE	2,4
118.96.7	*	2,4,6-TRINITROTOLUENE (TNT)	2,4,5
94.75.7	*	2,4-D	2,4 F8 F9
1320.18.9	*	2,4-D ESTERS	F8
1928.38.7	*	2,4-D ESTERS	F8
1928.61.6	*	2,4-D ESTERS	F8
1929.73.3	*	2,4-D ESTERS	F8
25168.26.7	*	2,4-D ESTERS	F8
2971.38.2	*	2,4-D ESTERS	F8
53467.11.1	*	2,4-D ESTERS	F8
94.11.1	*	2,4-D ESTERS	F8
94.79.1		2,4-D ESTERS	F8
94.80.4	*	2,4-D ESTERS	F8
615.05.4		2,4-DIAMINOANISOLE	F9
39156.41.7		2,4-DIAMINOANISOLE SULFATE	1,3,9 F9
39156.41.7	*	2,4-DIAMINOANISOLE SULPHATE	1,3,9 *E*C* F9
95.80.7		2,4-DIAMINOTOLUENE	1,3,9 *E*C* F8 F9
138.00.1		2,4-DIAMYLPHENOL	6
120.83.2		2,4-DICHLOROPHENOL	F8 F9
94.75.7		2,4-DICHLOROPHENOXYACETIC ACID	2,4 F8 F9
584.84.9	*	2,4-DIISOCYANATO-1-METHYLBENZENE	1,2,3,4,5,6 *E*C* F6 F8 F9
26471.62.5		2,4-DIISOCYANATOMETHYLBENZENE	2,4 F8 F9
1068.87.7		2,4-DIMETHYL-3-ETHYL PENTANE	6
589.43.5		2,4-DIMETHYLHEXANE	6
108.08.7		2,4-DIMETHYLPENTANE	6
105.67.9		2,4-DIMETHYLPHENOL	F8 F9
97.02.9		2,4-DINITROANILINE	56
51.28.5		2,4-DINITROPHENOL	F8 F9
121.14.2		2,4-DINITROTOLUENE	2,4,5,6,7,9 *E*C* F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
123.54.6		2,4-PENTANEDIONE	6
102.56.7		2,5-DIMETHOXYANILINE	6
2100.42.7		2,5-DIMETHOXYCHLOROBENZENE	6 F8
625.86.5		2,5-DIMETHYLFURAN	6
329.71.5		2,5-DINITROPHENOL	F8
142.46.1		2,5-DITHIOBIUREA	9
108.31.6	*	2,5-FURANDIONE	2,4,5,6 F8 F9
2935.44.6		2,5-HEXANEDIOL	6
2935.44.6		2,5-HEXANEDIOL	6
121.46.0		2,5-NORBORNADIENE	6
123.17.1		2,6,8-TRIMETHYL-4-NONANOL	6
823.40.5		2,6-DIAMINOTOLUENE	F8
87.65.0		2,6-DICHLOROPHENOL	F8 F9
108.83.8	*	2,6-DIMETHYLHEPTANONE	2,4
141.91.3		2,6-DIMETHYLMORPHOLINE	6
573.56.8		2,6-DINITROPHENOL	F8
128.37.0	*	2,6-DITERT BUTYL-P-CRESOL	2,4,9
87.62.7	*	2,6-XYLIDINE	6 F9
33857.26.0		2,7-DICHLORODIBENZO-P-DIOXIN	9
53.96.3		2-ACETYLAMINOFLUORENE	3,7 *E*C* F8 F9
96.20.8		2-AMINO-1-BUTANOL	6
124.68.5		2-AMINO-2-METHYL-1-PROPANOL	6
68006.83.7		2 AMINO-3-METHYL-9H-PYRIDO[2,3-B]INDOLE	1 *E*C*
76180.96.6		2-AMINO-3-METHYLIMIDAZO[4,5-F]QUINOLINE	1 *E*C*
712.68.5		2-AMINO-5(5 NITRO 2 FURYL)-1,3,4-THIADIAZOLE	1 *E*C*
121.66.4		2-AMINO-5-NITROTHIAZOLE	9 *E*C*
67730.11.4		2-AMINO-6-METHYLDIPYRIDO[1,2-A:3',2'-D]IMIDAZOLE	1 *E*C*
26164.68.5		2-AMINO-9H-PYRIDO[2,3-B]INDOLE	1 *E* *C*
117.79.3		2-AMINOANTHRAQUINONE	3,9 *E*C* F9
67730.10.3		2-AMINODIPYRIDO[1,2 A:3',2'-D]IMIDAZOLE	1 *E*C*
141.43.5	*	2-AMINOETHANOL	2,4,5,6
504.29.0		2-AMINOPYRIDINE	2,4
122 .98 .5	*	2-ANILINOETHANOL	5,6
1120 .23.6		2-BETA BUTOXYETHOXYETHYL CHLORIDE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
90.41.5		2-BIPHENYLAMINE	6
513.53.1		2-BUTANETHIOL	6
78.92.2	*	2-BUTANOL	2,4,5,6 F9
78.93.3	*	2-BUTANONE	2,4,5,6 F8 F9
1338.23.4	*	2-BUTANONE PEROXIDE	2,4,5 F8
764.41.0		2-BUTENE,-1,4-DICHLORO	F8
590.18.1		2-BUTENE-CIS	6
624.64.6		2-BUTENE-TRANS	6
111.76.2		2-BUTOXYETHANOL	2,4,6 F8
503.17.3		2-BUTYNE	6
126.99.8	*	2-CHLORO-1,3-BUTADIENE	2,4,6 F9
78.89.7		2-CHLORO-1-PROPANOL	6
594.71.8		2-CHLORO-2-NITROPROPANE	6
42350.99.2		2-CHLORO-4,6-DI TERT AMYLPHENOL	6 F8 F9
92.04.6		2-CHLORO-4-PHENYLPHENOL	6 F9
777.37.7		2-CHLORO-5-NITROBENZOTRIFLUORIDE	6
1929.82.4	*	2-CHLORO-6-(TRICHLOROMETHYL)PYRIDINE	4
532.27.4	*	2-CHLOROACETOPHENONE	2,4 F9
4461.41.0		2-CHLOROBUTENE-2	6
107.07.3	*	2-CHLOROETHANOL	2,4,6 *E* F6
542.58.5		2-CHLOROETHYL ACETATE	6
95.57.8	*	2-CHLOROPHENOL	6 F8 F9
61702.44.1		2-CHLORO P PHENYLENEDIAMINE SULFATE	9
598.78.7		2-CHLOROPROPIONIC ACID	4
557.98.2		2-CHLOROPROPYLENE	6
106.71.8		2-CYANOETHYL ACRYLATE	2,4,6 F8 F9
18883.66.4	*	2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO-D- GLUCOPYRANOSE	1,3,7 *E*C* F8
929.06.6		2-ETHANOL,(2-AMINOETHOXY)	
103.75.3		2-ETHOXY-3,4-DIHYDRO-2-PYRAN	6
110.80.5		2-ETHOXYETHANOL	2,4,6 *T1* F8 F9
111.15.9		2-ETHOXYETHYL ACETATE	2,4,6
760 21.4		2-ETHYL-1-BUTENE	6
115.84.4		2-ETHYL-2-BUTYL-1,3-PROPANEDIOL	6
645.62.5		2-ETHYL-3-PROPYLACROLEIN	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
5309.52.4		2-ETHYL-3-PROPYLACRYLIC ACID	6
3953.10.4		2-ETHYLBUTYL ACRYLATE	6
97.96.1		2-ETHYLBUTYRALDEHYDE	6
123.05.7		2-ETHYLHEXANAL	6
104.76.7		2-ETHYLHEXANOL	6
103.09.3		2-ETHYLHEXYL ACETATE	6
103.11.7		2-ETHYLHEXYL ACRYLATE	5,6
123.04.6		2-ETHYLHEXYL CHLORIDE	6
104.75.6		2-ETHYLHEXYLAMINE	6
15271.41.7		2-EXO-CHLORO-5-ENDO-CYANO-2-NORBORNANONE-O-(METHYL	
640.19.7	*	2-FLUOROACETAMIDE	8 *E* F6 F8
98.01.1	*	2-FURALDEHYDE	2,4,5 F8
98.01.1	*	2-FURANCARBOXALDEHYDE	2,4,5 F8
591.78.6	*	2-HEXANONE	2,4,6
592.43.8		2-HEXENE(MIXED CIS & TRANS)	6
7688.21.3		2-HEXENE CIS	6
75.86.5	*	2-HYDROXY-2-METHYL PROPANENITRILE	2,4,5,6 *E* F6 F8 F9
818.61.1	*	2-HYDROXYETHYL ACRYLATE	6
999.61.1		2-HYDROXYPROPYL ACRYLATE	4
60.24.2		2-MERCAPTOETHANOL	6
109.86.4	*	2-METHOXYETHANOL	2,4,6 *T1* F9
110.49.6		2-METHOXYETHYL ACETATE2,4	*T1* F8
1118.58.7		2-METHYL-1,3-PENTADIENE	6
149.31.5		2-METHYL-1,3-PENTANEDIOL	6
137.32.6		2-METHYL-1-BUTANOL	6
563.46.2		2-METHYL-1-BUTENE (TECHNICAL)	6
129.15.7		2-METHYL-1-NITROANTHRAQUINONE	1,9 *E*C*
105.30.6		2-METHYL-1-PENTANOL	6
763.29.1		2-METHYL-1-PENTENE	6
75.85.4		2-METHYL-2-BUTANOL	6
513.35.9		2-METHYL-2-BUTENE	6
126.39.6		2-METHYL-2-ETHYL-1,3-DIOXOLANE	6
625.27.4		2-METHYL-2-PENTENE	6
75.66.1		2-METHYL-2-PROPANETHIOL	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
75.65.0	*	2-METHYL-2-PROPANOL	2,4,5,6 F9
609.26.7		2-METHYL-3-ETHYLPENTANE	6
3074.75.7		2-METHYL-4-ETHYLHEXANE	6
104.89.2		2-METHYL-5-ETHYLPYRIDINE	6
104.90.5		2-METHYL-5-ETHYLPYRIDINE	5,6
99.55.8	*	2-METHYL-5-NITRO BENZENAMINE	7,9 *E*C* F8
75.55.8	*	2-METHYLAZIRIDINE	1,2,3,4 *E*C* F6 F8 F9
643.58.3		2-METHYLBIPHENYL	6
96.17.3		2-METHYLBUTYRALDEHYDE	5,6
583.60.8		2-METHYLCYCLOHEXANONE	2,4
534.22.5		2-METHYLFURAN	6
75.86.5	*	2-METHYLLACONITRILE	2,4,5,6 *E* F6 F8 F9
3221.61.2		2-METHYLOCTANE	6
78.85.3		2-METHYLPROPENAL	6
115.11.7		2-METHYLPROPENE	6
109.08.0		2-METHYLPYRAZINE	6
96.47.9		2-METHYLTETRAHYDROFURAN	6
123.15.9		2-METHYLVALERALDEHYDE	6
91.59.8		2-NAPHTHYLAMINE	1,3,4,7 *E*C* F8 F9
102.81.8		2-N-DIBUTYLAMINOETHANOL	4,6
5307.14.2		2-NITRO P PHENYLENEDIAMINE	9 *E*C*
79.46.9		2-NITROPROPANE	1,2,3,4,5 *E*C* F8 F9
89.62.3		2-NITRO P TOLUIDINE	6
25377.83.7		2-OCTENE (MIXED CIS AND TRANS ISOMERS)	6
57.57.8	*	2-OXETANONE	1,2,3,4,7 *E*C* F6 F9
6032.29.7		2-PENTANOL	5,6
107.87.9	*	2-PENTANONE	2,4,6
90.43.7		2-PHENYLPHENOL	F9
109.06.8		2-PICOLINE	6 F8
67.63.0	*	2-PROPANOL	2,4,5,6 F9
79.06.1	*	2-PROPENAMIDE	1,2,4 *E*C* F6 F8 F9
140.88.5	*	2-PROPENOIC ACID, ETHYL ESTER	1,2,3,4,5,6 *E*C* F8 F9
616.45.5		2-PYRROLIDONE	6
5408.74.2		2-VINYL-5-ETHYLPYRIDINE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
10213.74.8		3-(2-ETHYLBUTOXY) PROPIONIC ACID	6
6959.48.4		3-(CHLOROMETHYL)PYRIDINE HYDROCHLORIDE	9 *E*C*
104.78.9		3-(DIETHYLAMINO) PROPYLAMINE	6
109.55.7		3-(DIMETHYLAMINO) PROPYLAMINE	6
116.02.9		3,3,5-TRIMETHYL-1-CYCLOHEXANOL	6
91.94.1	*	3,3'-DICHLORO-(1,1'-BIPHENYL)-4,4'-DIAMINE	1,3,4,7 *E*C* F8 F9
28434.86.8		3,3'-DICHLORO-4,4'-DIAMINODIPHENYL ETHER	1 *E*C* F8
91.94.1		3,3'-DICHLOROBENZIDINE	1,3,4,7 *E*C* F8 F9
612.89.9		3,3'-DICHLOROBENZIDINE DIHYDROCHLORIDE	3 *E*C*
1067.20.5		3,3-DIETHYLPENTANE	6
119.90.4		3,3'-DIMETHOXYBENZIDINE	1,3,7 *E*C* F8 F9
20325.40.0		3,3'-DIMETHOXYBENZIDINE DIHYDROCHLORIDE	3 *E*C*
91.93.0		3,3'-DIMETHOXYBENZIDINE-4,4'-DIISOCYANATE	2,4,9 *E*C* F8 F9
119.93.7	*	3,3'-DIMETHYL(1,1'-BIPHENYL) 4,4'-DIAMINE	1,3,4,7 *E*C* F8 F9
119.93.7		3,3'-DIMETHYLBENZIDINE	1,3,4,7 *E*C* F8 F9
4032.86.4		3,3-DIMETHYLHEPTANE	6
598.96.9		3,4,4-TRIMETHYL-2-PENTENE	6
609.19.8		3,4,5-TRICHLOROPHENOL	F8 F9
496.72.0		3,4-DIAMINOTOLUENE	F8
95.76.1		3,4-DICHLOROANILINE	5,6
64037.54.3		3,4-DICHLOROBUTENE-1	6
610.39.9		3,4-DINITROTOLUENE	F8
3452.97.9		3,5,5-TRIMETHYLHEXANOL	6
23950.58.5	*	3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL) BENZAMIDE	7,8 *E*C* F8
148.01.6	*	3,5-DINITRO-O-TOLUAMIDE	4
62450.06.0	*	3-AMINO-1,4-DIMETHYL-5H-PYRIDO(4,3-BETA)INDOLE	1 *E*C*
62450.07.1	*	3-AMINO-1-METHYL-5H-PYRIDO(4,3-BETA)INDOLE	1 *E*C*
17026.81.2		3-AMINO-4-ETHOXYACETANILIDE	9 *E*C*
6109.97.3		3-AMINO-9-ETHYLCARBAZOLE, HYDROCHLORIDE	9 *E*C*
156.87.6		3-AMINOPROPANOL	6
61.82.5	*	3-AMINO S TRIAZOLE	1,2,3,4,7,8 *E*C* F8
106.96.7		3-BROMOPROPYNE	5,6 *E*F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
563.47.3	*	3-CHLORO-2-METHYLPROPENE	3,6 *E*C*
87.60.5	*	3-CHLORO-O-TOLUIDINE	1 *E*C*
107.05.1	*	3-CHLOROPROPENE	2,4,5,6,9 *E*C* F8 F9
3569.57.1	*	3-CHLOROPROPYL-N-OCTYLSUFOXIDE	*E* F6
2806.85.1		3-ETHOXYPROPIONALDEHYDE	6
1331.11.9		3-ETHOXYPROPIONIC ACID	6
106.35.4	*	3-HEPTANONE	2,4
25339.56.4		3-HEPTENE (MIXED CIS AND TRANS)	6
589.38.8		3-HEXANONE	6
109.78.4	*	3-HYDROXYPROPANENITRILE	2,4,5,6 F8 F9
83.26.1	*	3-INDANDIONE-2-PIVALYL-1	2,4
110.67.8		3-METHOXYPROPIONITRILE	6
5332.73.0		3-METHOXYPROPYLAMINE	6
115.19.5		3-METHYL BUTYNOL	6
563.45.1		3-METHYL-1-BUTENE	6
68006.83.7	*	3-METHYL-1H-PYRIDO[2,3-B]INDOL-2-AMINE	1 *E*C*
2084.18.6		3-METHYL-2-BUTANETHIOL	6
598.75.4		3-METHYL-2-BUTANOL	5
76180.96.6	*	3-METHYL-3-H IMIDAZO[4,5 F]QUINOLIN-2-AMINE	1 *E*C*
3074.77.9		3-METHYL-4-ETHYLHEXANE	6
56.49.5		3-METHYLCHOLANTHRENE	7 *E*C* F8
589.34.4		3-METHYLHEXANE	6
60153.49.3		3-METHYLNITROSAMINO PROPIONITRILE	1 *E*C*
2216.33.3		3-METHYLOCTANE	6
96.14.0		3-METHYLPENTANE	6
1777.84.0		3'-NITRO-P-ACETOPHENETIDE	9 *E*C*
504.88.1		3-NITROPROPIONIC ACID	9 *E*C*
57.57.8	*	3-PROPIOLACTONE	1,3,4,7 *E*C* F6 F9
2038.03.1		4-(2-AMINOETHYL) MORPHOLINE	6
622.40.2		4-(2-HYDROXYETHYL) MORPHOLINE	6
64091.91.4		4-(METHYLNITROSAMINO)-1-(3 PYRIDYL)-1-BUTANONE	1 *E*C*
64091.91.4		4-(N-NITROSOMETHYLAMINO)-1-(3 PYRIDYL)-1- BUTANONE	3 *E*C*
101.80.4		4,4'-DIAMINODIPHENYL ETHER	1 *E*C* F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
80.05.7		4,4'-ISOPROPYLIDENEDIPHENOL	F9
101.14.4		4,4'-METHYLENE BIS(2-CHLOROANILINE)	1,3,4,7 *E*C* F8 F9
101.14.4		4,4'-METHYLENE BIS(2-CHLOROANILINE)	1,3,4,7 *E*C* F8 F9
838.88.0		4,4'-METHYLENE BIS(2-METHYLANILINE)	1 *E*C*
101.77.9		4,4'-METHYLENE DIANILINE	1,3,4,6 *E*C*F9
101.61.1		4,4'-METHYLENEBIS(N,N DIMETHYL)BENZENAMINE	3,9 *E*C* F9
13552.44.8	*	4,4'-METHYLENEBIS DIHYDROCHLORIDE BENZENEMINE	3 *E*C*
96.69.5		4,4'-THIOBIS(6-TERT-BUTYL-M-CRESOL)	4
139.65.1		4,4'-THIODIANILINE	1,9 *E*C* F9
3615.71.2		4,5-DICHLORO-2-(TRIFLUOROMETHYL) BENZIMIDAZOLE	*E* F6
131.89.5		4,6-DINITRO-O-CYCLOHEXYLPHENOL	F8
119.34.6		4-AMINO-2-NITROPHENOL	9 *E*C* F8
60.09.3		4-AMINOAZOBENZENE	F9
92.67.1		4-AMINOBIPHENYL	1,3,4,7 *E*C* F9
92.67.1	*	4-AMINODIPHENYL	1,3,4,7 *E*C* F9
70.69.9		4-AMINOPROPIOPHENONE	*E* F6
92.67.1	*	4-BIPHENYLAMINE	1,2,3,4,7 *E*C* F9
92.66.0		4-BROMODIPHENYL	6
95.69.2	*	4-CHLORO-2-TOLUIDINE	2 *E*C*
59.50.7		4-CHLORO-M-CRESOL	F8
5131.60.2		4-CHLORO-M-PHENYLENEDIAMINE	9 *E*C*
95.83.0		4-CHLORO-O-PHENYLENEDIAMINE	1,3,9 *E*C*
95.69.2		4-CHLORO-O-TOLUIDINE	1 *E*C*
3165.93.3		4-CHLORO-O-TOLUIDINE HYDROCHLORIDE	9 *E*C* F8
3165.93.3	*	4-CHLORO O-TULUIDINE HYDROCHLORIDE	9 *E*C* F8
7005.72.3		4- CHLOROPHENYL PHENYL ETHER	F8
60.11.7	*	4- DIMETHYLAMINOAZOBENZENE	1,3,7 *E*C* F8 F9
100.74.3	*	4- ETHYLMORPHOLINE	2,4,6
123.19.3	*	4-HEPTANONE	2,4,6
123.42.2	*	4-HYDROXY-4-METHYL-2-PENTANONE	2,4
484.20.8	*	4-METHOXY-7H FURO[3,2 G][1]BENZOPYRAN-7-ONE	1 *E*C*
150.76.5		4-METHOXYPHENOL	4
926.56.7		4-METHYL-1,3-PENTADIENE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
691.37.2		4-METHYL-1-PENTENE	6
108.10.1	*	4-METHYL-2-PENTANONE	2,4,5,6 F8 F9
4461.48.7		4-METHYL-2-PENTENE	6
591.47.9		4-METHYLCYCLOHEXENE	6
109.02.4		4-METHYLMORPHOLINE	6
2216.34.4		4-METHYLOCTANE	6
92.93.3		4-NITRODIPHENYL	1,4 *E*C*F8 F9
3565.26.2		4-NITROQUINOLINE-1-OXIDE	7 *E*C*
92.53.5		4-PHENYLMORPHOLINE	6
108.89.4		4-PICOLINE	6
504.24.5		4-PYRIDINAMINE	8 *E* F6 F8
98.29.3		4-TERT BUTYL CATECHOL	6
98.28.2		4-TERT BUTYL-2-CHLOROPHENOL	6 F8 F9
100.40.3		4-VINYL CYCLOHEXENE	4,6
66.75.1	*	5-(BIS[2 CHLOROETHYL]AMINO) URACIL	1,7 *E*C* F8
139.91.3		5-(MORPHOLINOMETHYL)-3-(5 NITROFURFURYLIDENE)AMINO) 2-XAZOLIDINONE	1 *E*C*
57.41.0	*	5,5-IPHENYLHYDANTOIN	1,3 *E*C*T1*
320.67.2		5-AZACYTIDINE	9 *E*C*
15271.41.7	*	5-CHLORO-6-(((METHYLAMINO)CARBONYL)OXY)IMINO)	
95.79.4		5-CHLORO-O-TOLUIDINE	9 *E*C*
104.90.5	*	5-ETHYL-2-METHYLPYRIDINE	5,6
484.20.8		5-METHOXYPORALEN	1 *E*C*
3697.24.3		5-METHYL CHRYSENE	1,3 *E*C*
110.12.3	*	5-METHYL-2-HEXANONE	2,4
541.85.5	*	5-METHYL-3-HEPTANONE	2,4
120.71.8	*	5-METHYL-O-ANISIDINE	1,3,9 *E*C* F9
602.87.9		5-NITROACENAPHTHENE	1,9 *E*C*
99.59.2		5-NITRO-O-ANISIDINE	3,9 *E*C* F9
99.55.8		5-NITRO-O-TOLUIDINE	7,9 *E*C* F8
67730.11.4	*	6-METHYLDIPYRIDO[1,2 A:3',2' D]IMIDAZOL-2-AMINE	1 *E*C*
94.52.0		6-NITROBENZIMIDAZOLE	9 *E*C*
57.97.6		7,12-DIMETHYLBENZ(A)ANTHRACENE	7 *E*C* F8
194.59.2		7H-DIBENZO(C,G)CARBAZOLE	1,3,7 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
21648.68.5	*	A ALPHA C	1 *E*C*
3383.96.8	*	ABATE	4 *N*
83.32.9		ACENAPHTHENE	F8
208.96.8		ACENAPHTHYLENE	F8
105.57.7		ACETAL	6
75.07.0		ACETALDEHYDE	1,2,3,4,5,6 *E*C* F8 F9
16568.02.8	*	ACETALDEHYDE FORMYLMETHYLHYDRA	1 *E*C*
60.35.5		ACETAMIDE	1 *E*C* F9
591.08.2		ACETAMIDE, N (AMINOTHIOXOMETHYL)	F8
103.84.4		ACETANILIDE	6
64.19.7		ACETIC ACID	2,4,5,6 F8
64.19.7	*	ACETIC ACID GLACIAL	2,4,5,6 F8
61792.07.2		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , 1-METHYL PROPYL ESTER	F8
2545.59.7		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , 2-BUTOXYETHYL ESTER	F8
1928.47.8		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , 2-ETHYLHEXYL ESTER	F8
93.79.8		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , BUTYL ESTER	F8
2008.46.0		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , COMPD WITH N,N DIETHYLETHANAMINE	
6369.97.7		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , COMPD WITH N METHYLMETHANAMINE	F8
6369.96.6		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , COMPD WITH TRIMETHYLAMINE	F8
25168.15.4		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , ISOCTYL ESTER	F8
3813.14.7		ACETIC ACID, (2,4,5-TRICHLOROPHENOXY) , WITH 2,2',2" NITRILOTRIS(ETHANOL)	F8
1929.73.3		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , 2-BUTOXYETHYL ESTER	F8
1320 .18 .9		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , 2-BUTOXYMETHYLETHYL ESTER	F8
2971 .38 .2		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , 4-CHLORO-2-BUTENYL ESTER	F8
94.80.4		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , BUTYL ESTER	F8
25168.26.7		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , ISOCTYL ESTER	F8
94.11.1		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , ISOPROPYL ESTER	F8
1928.38.7		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , METHYL ESTER	F8
1928.61.6		ACETIC ACID, (2,4,-DICHLOROPHENOXY) , PROPYL ESTER	F8
141.78.6	*	ACETIC ACID, ETHYL ESTER	2,4,5,6 F8
301.04.2	*	ACETIC ACID, LEAD SALT	1,3,4 *E*C* F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
563.68.8		ACETIC ACID, THALLIUM(I) SALT	2,4 F8 F9
108.24.7		ACETIC ANHYDRIDE	2,4,5,6 F8
102.01.2		ACETOACETANILIDE	6
93.68.5		ACETOACET O TOLUIDIDE	6
122.82.7		ACETOACET P PHENETIDE	6
968.81.0		ACETOHEXAMIDE	9
67.64.1		ACETONE	2,4,5,6 F8 F9
75.86.5		ACETONE CYANOHYDRIN	2,4,5,6 F6 F8 F9 *E*
1752.30.3		ACETONE THIOSEMICARBAZIDE	F6 *E*
75.05.8		ACETONITRILE	2,4,5,6 F8 F9
98.86.2		ACETOPHENONE	F8
900.95.8		ACETOXYTRIPHENYL STANNONE	F6 *E*
506.96.7		ACETYL BROMIDE	F8
75.36.5		ACETYL CHLORIDE	5,6 F8
110.22.5		ACETYL PEROXIDE	5,6
74.86.2		ACETYLENE	4,5,6
540.59.0	*	ACETYLENE DICHLORIDE	2,4,5,6 F9
79.27.6		ACETYLENE TETRABROMIDE	2,4,5,6
79.34.5	*	ACETYLENE TETRACHLORIDE	2,4,7,9 *E*C* F7 F8 F9
50.78.2		ACETYLSALICYLIC ACID	4
107.02.8		ACROLEIN	2,4,5,6,8 *E* F6 F8 F9
100.73.2		ACROLEIN DIMER	5,6
7008.42.6		ACRONYCINE	9 *E*C*
79.06.1		ACRYLAMIDE	1,2,3,4 *E*C* F6 F8 F9
79.10.7		ACRYLIC ACID	4,5,6 F8 F9
79.10.7	*	ACRYLIC ACID (GLACIAL)	2,4,5,6 F8 F9
107.13.1		ACRYLONITRILE	1,2,3,4,5,6,7,8 *E*C* F6 F8 F9
814.68.6		ACRYLYL CHLORIDE	*E* F6
77536.66.4		ACTINOLITE ASBESTOS	1,2,3,4,7 *E*C* F2
50.76.0		ACTINOMYCIN D	1 *E*C*
124.04.9		ADIPIC ACID	F8
111.69.3		ADIPONITRILE	5,6 *E* F6
111.50.2		ADIPOYL CHLORIDE	6
111.69.3	*	ADIPYLDINITRILE	5,6 *E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
23214.92.8		ADRIAMYCIN	1,3 *E*C*
3688.53.7	*	AF 2	1 *E*C*
1402.68.2		AFLATOXINS	1,3,7 *E*C*
116.06.3		ALDICARB	8 *E*N* F6 F8
107.89.1		ALDOL	6
309.00.2		ALDRIN	2,4,5,7,8,9 *E*C* F6 F8 F9
591.87.7		ALLYL ACETATE	6
107.18.6		ALLYL ALCOHOL	2,4,5,6,8 *E* F6 F8
106.95.6		ALLYL BROMIDE	5,6
107.05.1		ALLYL CHLORIDE	2,4,5,6,9 F8 F9
2937.50.0		ALLYL CHLOROFORMATE	5,6
557.40.4		ALLYL ETHER	6
106.92.3		ALLYL GLYCIDYL ETHER (AGE)	2,4
2179.59.1		ALLYL PROPYL DISULFIDE	2,4
107.37.9		ALLYL TRICHLOROSILANE	6
107.11.9		ALLYLAMINE	5,6 *E* F6
869.29.4		ALLYLIDENE DIACETATE	6
959.98.8		ALPHA ENDOSULFAN	F8
80.15.9	*	ALPHA,ALPHA DIMETHYLBENZYLHYDROPEROXIDE	5,6 F8 F9
122.09.8		ALPHA,ALPHA DIMETHYLPHENETHYLAMINE	F8
6607.45.0		ALPHA,BETA DICHLOROSTYRENE	6
319.84.6	*	ALPHA BHC	2,3,7 *E*C* F8
532.27.4		ALPHA CHLOROACETOPHENONE	2,4 F9
319.84.6		ALPHA HEXACHLOROCYCLOHEXANE	3,7 *E*C* F8
2449.49.2		ALPHA METHYLBENZYL DIMETHYL AMINE	6
93.96.9		ALPHA METHYLBENZYL ETHER	6
98.84.0		ALPHA METHYLBENZYLAMINE	6
98.83.9		ALPHA METHYLSTYRENE	4
134.32.7	*	ALPHA NAPHTHYLAMINE	6,7 *E*C* F8 F9
80.56.8		ALPHA-PINENE	6
7429.90.5		ALUMINUM	4,5 F1 F9
7446.70.0		ALUMINUM CHLORIDE	5
1344.28.1		ALUMINUM OXIDE	F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
20859.73.8		ALUMINUM PHOSPHIDE	8 *E* F6 F8
10043.01.3		ALUMINUM SULFATE	F8
54.62.6		AMINOPTERIN	*E* *T1* F6
78.53.5		AMITON	*E* F6
3734.97.2		AMITON OXALATE	*E* F6
33089.61.1		AMITRAZ	8
61.82.5	*	AMITROL	1,3,4,7,8 *E*C* F8
61.82.5		AMITROLE	1,3,4,7,8 *E*C* F8
7664.41.7		AMMONIA	2,4,5,6 *E* F6 F8 F9
7664.41.7	*	AMMONIA, ANHYDROUS	2,4,5,6 *E* F6 F8 F9
631.61.8		AMMONIUM ACETATE	F8
1863.63.4		AMMONIUM BENZOATE	F8
1066.33.7		AMMONIUM BICARBONATE	F8
7789.09.5	*	AMMONIUM BICHROMATE	2,4,5 F8 F9
1341.49.7		AMMONIUM BIFLUORIDE	F8
10192.30.0		AMMONIUM BISULFITE	F8
12124.97.9		AMMONIUM BROMIDE	5
1111.78.0		AMMONIUM CARBAMATE	F8
506.87.6		AMMONIUM CARBONATE	F8
12125.02.9		AMMONIUM CHLORIDE	4,5 F8
12125.02.9	*	AMMONIUM CHLORIDE FUME	4,5 F8
16919.58.7		AMMONIUM CHLOROPLATINATE	2
7788.98.9		AMMONIUM CHROMATE	2,4 F8 F9
3012.65.5		AMMONIUM CITRATE, DIBASIC	F8
7789.09.5		AMMONIUM DICHROMATE	2,4,5 F8 F9
13826.83.0		AMMONIUM FLUOBORATE	F8
12125.01.8		AMMONIUM FLUORIDE	5 F8
1336.21.6		AMMONIUM HYDROXIDE	F8
6484.52.2		AMMONIUM NITRATE	5 F9
14258.49.2	*	AMMONIUM OXALATE	F8
5972.73.6	*	AMMONIUM OXALATE	F8
7790.98.9		AMMONIUM PERCHLORATE	5
3825.26.1		AMMONIUM PERFLUOROCTANOATE	4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
13446.10.1		AMMONIUM PERMANGANATE	5
131.74.8		AMMONIUM PICRATE	F8
16919.19.0		AMMONIUM SILICOFLUORIDE	F8
7773.06.0		AMMONIUM SULFAMATE (AMMATE)	2,4 F8
7783.20.2		AMMONIUM SULFATE	5 F9
12135.76.1		AMMONIUM SULFIDE	F8
10196.04.0		AMMONIUM SULFITE	F8
14307.43.8	*	AMMONIUM TARTRATE	F8
3164.29.2	*	AMMONIUM TARTRATE	F8
1762.95.4		AMMONIUM THIOCYANATE	2,4 F8 F9
7783.18.8		AMMONIUM THIOSULFATE	F8
7803.55.6		AMMONIUM VANADATE	F8
1336.21.6	*	AMMONIUM WATER	F8
7631.86.9		AMORPHOUS SILICA	2,4,5 F5
12172.73.5		AMOSITE ASBESTOS	1,2,3,4,7 *E*C* F2
300.62.9		AMPHETAMINE	*E* F6
628.63.7	*	AMYL ACETATE	2,4,5,6 F8
71.41.0		AMYL ALCOHOL	5,6
110.53.2	*	AMYL BROMIDE	5,6
543.59.9	*	AMYL CHLORIDE	5,6
638.49.3		AMYL FORMATE	6
110.66.7		AMYL MERCAPTAN	6
1002.16.0		AMYL NITRATE	5
1320.01.0		AMYL TOLUENE	6
107.72.2		AMYL TRICHLOROSILANE	6
1320.21.4		AMYL XYLYL ETHER	6
110.58.7		AMYLAMINE	5,6
62.53.3		ANILINE	2,4,5,6 *E* F6 F8 F9
142.04.1		ANILINE HYDROCHLORIDE	6 9 *E*C*
29191.52.4		ANISIDINE (O AND P ISOMERS)	1,2,3,4,6 *E*C*
77536.67.5		ANTHOPHYLLITE ASBESTOS	1,2,3,4,7 *E*C* F2
120.12.7		ANTHRACENE	F8 F9
7440.36.0		ANTIMONY	2,4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
7647.18.9		ANTIMONY PENTACHLORIDE	2,4,5 F8 F9
7783.70.2		ANTIMONY PENTAFLUORIDE	2,4,5 *E* F6 F8 F9
1315.04.4		ANTIMONY PENTASULFIDE	2,4,5 F8 F9
28300.74.5		ANTIMONY POTASSIUM TARTRATE	2,4 F8 F9
7789.61.9		ANTIMONY TRIBROMIDE	2,4 F8 F9
10025.91.9		ANTIMONY TRICHLORIDE	2,4 F8 F9
7783.56.4		ANTIMONY TRIFLUORIDE	2,4 F8 F9
1309.64.4		ANTIMONY TRIOXIDE	2,4 F8 F9
1397.94.0		ANTIMYCIN A	*E* F6
86.88.4		ANTU	2,4 *E* F6 F8
86.88.4	*	ANTU (ALPHA NAPHTHYL THIOUREA)	2,4 *E* F6 F8
140.57.8		ARAMITE	1,3,7 *E*C*
7440.37.1		ARGON	4
27323.18.8		AROCLOR 1254	9 *E*C*T1*
12674.11.2		AROCLOR 1016	F8
11104.28.2		AROCLOR 1221	F8
11141.16.5		AROCLOR 1232	F8
53469.21.9	*	AROCLOR 1242	2,3,4 *E*C*T1*
12672.29.6		AROCLOR 1248	F8
11097.69.1	*	AROCLOR 1254	2,3,4 *E*C*T1* F8
11096.82.5		AROCLOR 1260	F8
7440.38.2		ARSENIC	1,2,3,4,7 *E*C* F8 F9
1327.52.2		ARSENIC ACID	2,4 F8 F9
7778.39.4		ARSENIC ACID	2,4,8 F8 F9
7778.43.0		ARSENIC ACID, DISODIUM SALT	8
53404.12.9		ARSENIC ACID, LEAD (4+) SALT	4,8 F8 F9
7645.25.2		ARSENIC ACID, LEAD SALT	4 F8 F9
7631.89.2		ARSENIC ACID, SODIUM SALT	*E* F6 F8
13464.38.5		ARSENIC ACID, TRISODIUM SALT	8
7784.34.1		ARSENIC CHLORIDE	2,4,5 *E* F6 F8 F9
1303.32.8		ARSENIC DISULFIDE	2,4 F8 F9
1303.28.2		ARSENIC PENTOXIDE	2,4,8 *E* F6 F8 F9
1327.53.3		ARSENIC TRIOXIDE	2,4,8 *E* F6 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1303.33.9		ARSENIC TRISULFIDE	2,4,5 F8 F9
1327.53.3	*	ARSENOUS OXIDE	2,4,8 *E* F6 F8 F9
7784.34.1	*	ARSENOUS TRICHLORIDE	2,4,5 *E* F6 F8 F9
7784.42.1		ARSINE	2,4 *E* F6
696.28.6		ARSINE,DICHLOROPHENYL	*E* F1 F6 F8
1332.21.4		ASBESTOS	1,2,3,4,7 *E*C* F2 F8 F9
8052.42.4	*	ASPHALT (CUTBACK)	4,6 F3
8052.42.4	*	ASPHALT (LIQUID RAPID CURING)	4,6 F3
8052.42.4		ASPHALT FUMES	4,6 F3
50.78.2	*	ASPIRIN	2,4
1912.24.9		ATRAZINE	4
492.80.8		AURAMINE	1,3,7 *E*C* F8 F9
492.80.8	*	AURAMINE (TECHNICAL GRADE)	1,3,7 *E*C* F8 F9
504.24.5	*	AVITROL	8 * E* F6 F8
115.02.6		AZASERINE	1,7 *E*C* F8
446.86.6		AZATHIOPRINE	1,3 *E*C*
2642.71.9		AZINPHOS ETHYL	*E* F6
86.50.0		AZINPHOS METHYL	2,4,8,9 *E*N* F6 F8
151.56.4	*	AZIRIDINE	2,4,5,6,7 *E*C* F6 F8 F9
103.33.3		AZOBENZENE	9 *E*C*
78.67.1		AZOBISISOBUTYRONITRILE	6
6923.22.4	*	AZODRIN	2,4,8, *E*N* F6
109.97.7	*	AZOLE	6
7440.39.3		BARIUM	2,4 F1 F9
13477.00.4		BARIUM CHLORATE	2,4,5 F9
10294.40.3		BARIUM CHROMATE	2,4 F8 F9
542.62.1		BARIUM CYANIDE	2,4 F8 F9
10031.16.0		BARIUM DICHROMATE	2,4 F8 F9
10022.31.8		BARIUM NITRATE	2,4,5 F9
1304.29.6		BARIUM PEROXIDE	2,4,5 F9
7727.43.7		BARIUM SULFATE	4
114.26.1	*	BAYGON	2,4 *N* F9
55.38.9	*	BAYTEX	2,4,9 *N*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
17804.35.2		BENOMYL	4 *N*
56.55.3		BENZ(A)ANTHRACENE	1,3,7 *E*C* F8
225.51.4		BENZ(C)ACRIDINE	F8
51787.44.1		BENZ(C)ACRIDINE, 7,8,9,11-TRIMETHYL	7 *E*C*
98.87.3		BENZAL CHLORIDE	*E* F6 F8 F9
100.52.7		BENZALDEHYDE	5,6
55.21.0		BENZAMIDE	F9
98.16.8		BENZENAMINE, 3-(TRIFLUOROMETHYL)	*E* F6
71.43.2		BENZENE	1,2,3,4,5,6,7 *E*C* F7 F8 F9
100.14.1		BENZENE, 1-(CHLOROMETHYL)-4-NITRO	*E* F6 F8
102.36.3		BENZENE, 1,2-DICHLORO-4-ISOCYANATO	2,4 *E* F6 F8 F9
101.55.3		BENZENE, 1-BROMO-4-PHENOXY	F8
28347.13.9		BENZENE, BIS(CHLOROMETHYL)	*E* F6 F8
636.21.5	*	BENZENE,2-METHYL,HYDROCHLORIDE	3,7,9 *E*C* F8 F9
98.05.5		BENZENEARSONIC ACID	F6 *E*
98.09.9		BENZENESULFONYL CHLORIDE	F8
108.98.5	*	BENZENETHIOL	2,4 *E* F6 F8
92.87.5		BENZIDINE	1,3,4,7 *E*C* F8 F9
50.32.8		BENZO(A)PYRENE	1,3,4,7 *E*C* F8
205.99.2		BENZO(B)FLUORANTHENE	1,3,4,7 *E*C* F8
191.24.2		BENZO(GHI)PERYLENE	F8
205.82.3		BENZO(J)FLUORANTHENE	3,7 *E*C* F8
206.44.0		BENZO(J,K)FLUORENE	F8
207.08.9		BENZO(K)FLUORANTHENE	1 *E*C* F8
65.85.0		BENZOIC ACID	6 F8
N/A		BENZOL DILUENT	6
100.47.0		BENZONITRILE	F8
98.07.7		BENZOTRICHLORIDE	1,3,6 *E*C* F6 F8 F9
98.08.8		BENZOTRIFLUORIDE	5,6
98.88.4		BENZOYL CHLORIDE	5,6 F8 F9
94.36.0		BENZOYL PEROXIDE	2,4,5 F9
100 .51 .6		BENZYL ALCOHOL	6
100 .39 .0		BENZYL BROMIDE	

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
100.44.7		BENZYL CHLORIDE	2,4,5,6 *E* F6 F8 F9
140.29.4		BENZYL CYANIDE	2,4,6 *E* F6 F8 F9
100.53.8		BENZYL MERCAPTAN	6
1694.09.3		BENZYL VIOLET 4B	1 *E*C*
1302.52.9		BERYL ORE	1,3 *E*C*
7440.41.7		BERYLLIUM	1,2,3,4,5,7 *E*C*F1 F8 F9
13106.47.3		BERYLLIUM CARBONATE	1,2,3,4 *E*C* F8 F9
7787.47.5		BERYLLIUM CHLORIDE	1,2,3,4 *E*C* F8 F9
7787.49.7		BERYLLIUM FLUORIDE	1,2,3,4 *E*C* F8 F9
13327.32.7		BERYLLIUM HYDROXIDE	1,2,3,4 *E*C* F8 F9
13597.99.4		BERYLLIUM NITRATE	2,3,4 F8 F9
7787.55.5		BERYLLIUM NITRATE (HYDRATED)	2,4 F8 F9
1304.56.9		BERYLLIUM OXIDE	1,2,3,4 *E*C*F8 F9
13598.15.7		BERYLLIUM PHOSPHATE	1,2,3,4 *E*C* F8 F9
15191.85.2		BERYLLIUM SILICATE	1,2,3,4 *E*C* F8 F9
7787.56.6		BERYLLIUM SULFATE TETRAHYDRATE	2,3,4 *E*C* F8 F9
13510.49.1		BERYLLIUM SULPHATE	1,2,3,4 *E*C* F8 F9
12770.50.2		BERYLLIUM ALUMINUM ALLOY	1,2,3,4 *E*C* F1 F8 F9
627.20.3		BETA AMYLENE CIS	6
646.04.8		BETA AMYLENE TRANS	6
319.85.7	*	BETA BHC	3,7 *E*C* F8
3068.88.0		BETA BUTYROLACTONE	1 *E*C*
91.58.7		BETA CHLORONAPHTHALENE	F8
126.99.8	*	BETA CHLOROPRENE	2,4,6 F9
33213.65.9		BETA-ENDOSULFAN	F8
319.85.7	*	BETA HCH	3,7 *E*C* F8
319.85.7		BETA HEXACHLOROCYCLOHEXANE	3,7 *E*C* F8
91.59.8	*	BETA NAPHTHYLAMINE	1,3,4,7 *E*C* F8 F9
57.57.8		BETA PROPIOLACTONE	1,3,4,7 *E*C* F6 F9
25013.16.5	*	BHA	1 *E*C*
N/A		BICYCLO[2,2,1]-HEPTANE-2-CARBONITRILE)	2,4 *E* F6 F8 F9
141.66.2	*	BIDRIN	2,4,8 *E*N* F6
92.52.4		BIPHENYL	2,4,6 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
N/A		BIS-(6 FLUOROPHENOLATO))(2) N,N'0,0' COBALT	*E* F6 F9
638.56.2		BIS(2-(2 CHLOROETHOXY)ETHYL) ETHER	6
2238.07.5	*	BIS(2,3-EPOXYPROPYL) ETHER	2,4 *E*F6
111.91.1	*	BIS(2-CHLOROETHOXY)METHANE	6 F8
111.91.1		BIS(2-CHLOROETHYL) FORMAL	6 F8
111.44.4		BIS(2-CHLOROETHYL)ETHER	2,4,7 *E*C* F6 F8 F9
505.60.2	*	BIS(2-CHLOROETHYL)SULFIDE	1,3,7 *E*C* F6 F9
108.60.1	*	BIS(2-CHLOROISOPROPYL)ETHER	6 F8 F9
103.23.1		BIS(2-ETHYLHEXYL) ADIPATE	F9
106.20.7		BIS(2-ETHYLHEXYL)AMINE	6
542.88.1		BIS(CHLOROMETHYL) ETHER	1,3,4,7 *E*C* F6 F8 F9
534.07.6		BIS(CHLOROMETHYL)KETONE	*E* F6
97.77.8	*	BIS(DIETHYLTHIOCARBAMOYL) DISULFIDE	2,4
137.26.8	*	BIS(DIMETHYLTHIOCARBAMOYL)DISULFIDE	2,4 F8
56.35.9		BIS(TRI-N-BUTYLTIN)OXIDE	2
154.93.8		BISCHLOROETHYL NITROSOUREA	1,3 *E*C*
61204.26.0		BISMUTH CHROMATE	2,4 F8 F9
1304.82.1		BISMUTH TELLURIDE	4
4044.65.9		BITOSCANATE	*E* F6
35400.43.2	*	BOLSTAR	2,4,8
12179.04.3		BORATES, TETRA, SODIUM SALTS	2
1303.96.4		BORAX	2
507.70.0		BORNEOL	6
10294.33.4	*	BORON BROMIDE	2,4
1303.86.2		BORON OXIDE	2,4
1330.43.4		BORON SODIUM OXIDE	2
10294.33.4		BORON TRIBROMIDE	4
10294.34.5		BORON TRICHLORIDE	*E* F6
7637.07.2		BORON TRIFLUORIDE	2,4,5 *E* F6
353.42.4		BORON TRIFLUORIDE COMPOUND WITH METHYL ETHER	*E* F6 F8
109.63.7		BORON TRIFLUORIDE ETHERATE	6
N/A		BRACKERN FERN	1 *E*C*
56073.10.0		BRODIFACOUM	8
314.40.9		BROMACIL	4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
7758.01.2	*	BROMIC ACID, POTASSIUM SALT	1,5 *E*C*
7726.95.6		BROMINE	2,4,5 *E* F6
7789.30.2		BROMINE PENTAFLUORIDE	4,5
7787.71.5		BROMINE TRIFLUORIDE	5
598.31.2		BROMOACETONE	F8
108.86.1		BROMOBENZENE	6 F7
74.97.5	*	BROMOCHLOROMETHANE	2,4 F7 F8
75.27.4		BROMODICHLOROMETHANE	3 *E*C* F7 F8 F9
28772.56.7		BROMODIOLONE	8 *E* F6
593.60.2	*	BROMOETHYLENE	1,2,4 6 *E*C* F9
75.25 .2		BROMOFORM	2,4 F7 F8 F9
74.96.4	*	BROMOMETHANE	2,4,6 F7
357.57.3		BRUCINE	F8
789.61.7		B-TGDR	9 *E*C*
55.98.1	*	BUSULFAN	1,3 *E*C*T1*
106.99.0	*	BUTADIENE	1,2,3,4,5,6 *E*C* F9
930.22.3		BUTADIENE MONOXIDE	6
106.97.8		BUTANE	4,5,6
109.79.5		BUTANETHIOL	2,4 6
305.03.3	*	BUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO] BENZENE	1,3,7 *E*C*T1* F8
123.86.4		BUTYL ACETATE	2,4,5,6 F8
140.04.5		BUTYL ACETYL RICINOLEATE	6
141.32.2		BUTYL ACRYLATE	4,5,6 F9
71.36.3	*	BUTYL ALCOHOL	2,4,5,6 F8 F9
85.68.7		BUTYL BENZYL PHTHALATE	F8 F9
109.65.9		BUTYL BROMIDE	6
109.21.7		BUTYL BUTYRATE	6
111.76.2	*	BUTYL CELLOSOLVE	2,4,6 F8
109.69.3		BUTYL CHLORIDE	6
592.84.7		BUTYL FORMATE	6
109.19.3		BUTYL ISOVALERATE	
109.79.5		BUTYL MERCAPTAN	2,4,6
97.88.1		BUTYL METHACRYLATE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
928.45.0		BUTYL NITRATE	6
126.73.8	*	BUTYL PHOSPHATE	2,4,6
590.01.2		BUTYL PROPIONATE	6
111.34.2	*	BUTYL VINYL ETHER	6
109.73.9		BUTYLAMINE	2,4,5,6 F8
26094.13.3		BUTYLAMINE OLEATE	6
25013.15.5		BUTYLATED HYDROXYANISOLE	1,3 *E*C*
128.37.0		BUTYLATED HYDROXYTOLUENE (BHT)	4,9
104.51.8		BUTYLBENZENE	6 F7
109.99.9	*	BUTYLENE OXIDE	2,4,5,6 F8
7521.80.4		BUTYLTRICHLOROSILANE	6
123.72.8	*	BUTYRALDEHYDE	5,6 F9
496.03.7		BUTYRALDOL	6
110.69.0		BUTYRALDOXIME	6
107.92.6		BUTYRIC ACID	5,6 F8
109.74.0		BUTYRONITRILE	6
2650.18.2		C.I. ACID BLUE 9, DIAMMONIUM SALT	F9
3844.45.9		C.I. ACID BLUE 9, DISODIUM SALT	F9
4680.78.8		C.I. ACID GREEN 3	F9
633.03.4		C.I. BASIC GREEN 1	F9
569.64.2		C.I. BASIC GREEN 4	F9
989.38.8		C.I. BASIC RED 1	F9
569.61.9		C.I. BASIC RED 9, MONOHYDROCHLORIDE	3 *E*C*
2832.40.8		C.I. DISPERSE YELLOW 3	F9
81.88.9		C.I. FOOD RED 15	F9
3761.53.3	*	C.I. FOOD RED 5	1 *E*C* F9
3118.97.6		C.I. SOLVENT ORANGE 7	F9
842.07.9		C.I. SOLVENT YELLOW 14	F9
97.56.3	*	C.I. SOLVENT YELLOW 3	1,3 *E*C* F9
128.66.5		C.I. VAT YELLOW 4	9 *E*C* F9
75.60.5		CACODYLIC ACID	F8
7440.43.9		CADMIUM	1,2,3,4,7 *E*C* F1 F8 F9
543.90.8		CADMIUM ACETATE	4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
7789.42.6		CADMIUM BROMIDE	4 F8 F9
10108.64.2		CADMIUM CHLORIDE	1,3 *E*C* F8 F9
1306.19.0		CADMIUM OXIDE	1,3,4 *E*C* F6 F8 F9
2223.93.0		CADMIUM STEARATE	4 *E* F6 F8 F9
10124.36.4		CADMIUM SULPHATE	1,3 *E*C* F8 F9
1306.23.6		CADMIUM SULPHIDE	1,3 *E*C* F8 F9
7440.70.2		CALCIUM	5
7778.44.1		CALCIUM ARSENATE	8 *E* F6 F8
52740.16.6		CALCIUM ARSENITE	F8
75.20.7		CALCIUM CARBIDE	5 F8
1317.65.3		CALCIUM CARBONATE	4
10137.74.3		CALCIUM CHLORATE	5
13765.19.0		CALCIUM CHROMATE	1,2,3,4 *E*C* F8 F9
156.62.7		CALCIUM CYANAMIDE	2,4 F8 F9
592.01.8		CALCIUM CYANIDE	2,4,5,8 F8 F9
14307.33.6		CALCIUM DICHROMATE	2,4,5 F8 F9
26264.06.2		CALCIUM DODECYLBENZENE SULFONATE	F8
1305.62.0		CALCIUM HYDROXIDE	4
7778.54.3		CALCIUM HYPOCHLORITE	5 F8
1305.78.8		CALCIUM OXIDE	2,4,5
1344.95.2		CALCIUM SILICATE	4
7778.18.9		CALCIUM SULFATE	4
8001.35.2	*	CAMPHECHLOR	1,2,3,4,7,8,9 *E*C* F6 F8 F9
76.22.2		CAMPHOR	2,4
8008.51.3		CAMPHOR OIL (LIGHT)	6
76.22.2	*	CAMPHOR, SYNTHETIC	2,4
56.25.7		CANTHARIDIN	*E* F6
302.22.7	*	CAP	1 *E*C*
142.62.1		CAPROIC ACID	6
105.60.2		CAPROLACTAM DUST AND VAPOR	4
124.13.0		CAPRYLALDEHYDE	6
111.64.8		CAPRYLYL CHLORIDE	6
2425.06.1		CAPTAFOL	4,8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
2939.80.2		CAPTAFOL, CIS	8
133.06.2		CAPTAN	4,9 *E*C* F8 F9
51.83.2		CARBACHOL CHLORIDE	*E* F6
615.53.2	*	CARBAMIC ACID, METHYLNITROSOETHYL ESTER	1,7 *E*C* F8
630.10.4		CARBAMIMIDOSELENOIC ACID	2,4 F8 F9
N/A		CARBAMOLY) OXIME	2,4 *E* F6 F8 F9
63.25.2		CARBARYL	2,4 *N* F8 F9
1563.66.2		CARBOFURAN	4,8 *E* *N* F6 F8
1333.86.4		CARBON BLACK	2,4 F5
124.38.9		CARBON DIOXIDE	2,4
75.15.0		CARBON DISULFIDE	2,4,5,6 *E* F6 F8 F9
630.08.0		CARBON MONOXIDE	2,4,6 *T1*
463.58.1		CARBON OXYSULFIDE	6 F9
558.13.4		CARBON TETRABROMIDE	4
56.23.5		CARBON TETRACHLORIDE	1,2,3,4,5,7,8 *E*C*F7 F8 F9
75.44.5	*	CARBONYL CHLORIDE	2,4,5 *E* F6 F8 F9
353.50.4		CARBONYL FLUORIDE	4 F8
353.50.4	*	CARBONYL OXYFLUORIDE	4 F8
786.19.6		CARBOPHENOTHION	8 *E* *N* F6
9000.07.1		CARRAGEENAN (DEGRADED)	1 *E*C*
2244.16.8		CARVONE	F6
120.80.9		CATECHOL	4 F9
9004.34.6		CELLULOSE	4 F5
9004.70.0	*	CELLULOSE NITRATE	5,6
13454.78.9		CESIUM CHROMATE	2,4 F8 F9
21351.79.1		CESIUM HYDROXIDE	4
42508.80.8		CGA 12223	8
133.90.4		CHLORAMBEN	9 *E*C* F9
305.03.3		CHLORAMBUCIL	1,3,7 *E*C*T1* F8
56.75.7		CHLORAMPHENICOL	1 *E*C*
57.74.9		CHLORDANE	2,4,7,9 *E*C*F6 F8 F9
143.50.0	*	CHLORDECONE	1,3,7,9 *E*C* F8
6164.98.3		CHLORDIMEFORM	8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
115.28.6		CHLORENDIC ACID	3 *E*C*
470.90.6	*	CHLORFENVINFOS	8 *E* F6
470.90.6		CHLORFENVINPHOS	8 *E* F6
8001.35.2	*	CHLORINATED CAMPHENE	1,2,3,4,7,8,9 *E*C* F6 F8 F9
55720.99.5		CHLORINATED DIPHENYL OXIDE	2,4,6
63449.39.8		CHLORINATED PARAFFINS (C12, 60% CHLORINE)	3 *E*C*
7782.50.5		CHLORINE	2,4,5 *E* F6 F8 F9
10049.04.4		CHLORINE DIOXIDE	2,4 F9
7790.91.2	*	CHLORINE FLUORIDE	2,4,5
7791.21.1		CHLORINE MONOXIDE	6
10049.04.4	*	CHLORINE OXIDE	2,4 F9
7790.91.2		CHLORINE TRIFLUORIDE	2,4,5
302.22.7		CHLORMADINONE	1 *E*C*
24934.91.6		CHLORMEPHOS	*E* F6
999.81.5		CHLORMEQUAT CHLORIDE	*E* F6
494.03.1	*	CHLORNAPHAZINE	1,3,7 *E*C* F8
73090.69.4		CHLORO 4 TERT AMYLPHENOL	6 F8 F9
107.20.0		CHLOROACETALDEHYDE	2,4 F8
79.11.8		CHLOROACETIC ACID	6 *E* F6 F9
78.95.5		CHLOROACETONE	4
1341.24.8		CHLOROACETOPHENONE	6
79.04.9		CHLOROACETYL CHLORIDE	4,5
108.90.7		CHLOROBENZENE	2,4,5,6 F7 F8 F9
510.15.6		CHLOROBENZILATE	7,8,9 *E*C* F8 F9
74.97.5		CHLOROBROMOMETHANE	2,4 F7 F8
124.48.1		CHLORODIBROMOMETHANE	F7 F8
1609.19.4		CHLORODIETHYLSILANE	5
75.45.6		CHLORODIFLUOROMETHANE	4
53469.21.9		CHLORODIPHENYL (42% CHLORINE)	2,3,4 *E*C*T1* F8
11097.69.1		CHLORODIPHENYL (54% CHLORINE)	2,3,4 *E*C*T1* F8
75.00.3	*	CHLOROETHANE	2,4,5,6 F7 F8 F9
107.07.3	*	CHLOROETHANOL	2,4,6 *E* F6
627.11.2		CHLOROETHYL CHLOROFORMATE	*E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
75.01.4	*	CHLOROETHYLENE	1,2,3,4,5,6,7 *E*C*T2* F7 F8 F9
67.66.3		CHLOROFORM	1,2,3,4,5,7,9 *E*C* F6 F7 F8 F9
544.10.5	*	CHLOROHEXANE	5,6
13057.78.8		CHLOROISOCYANURIC ACID	2,4,5 F8 F9
74.87.3	*	CHLOROMETHANE	2,4,5,6 F7 F8 F9
6806.86.6		CHLOROMETHYL (OXIRANE)	5
542.88.1	*	CHLOROMETHYL ETHER	1,2,3,4,7 *E*C* F6 F8 F9
107.30.2		CHLOROMETHYL METHYL ETHER	1,2,3,4,7 *E*C* F6 F8 F9
107.30.2	*	CHLOROMETHYL METHYL ETHER (TECHNICAL GRADE)	1,2,3,4,7 *E*C* F6 F8 F9
76.15.3		CHLOROPENTAFLUOROETHANE	4 F8
3691.35.8		CHLOROPHACINONE	8 *E* F6
52.68.6		CHLOROPHOS	F8 F9
76.06.2		CHLOROPICRIN	2,4,5,8 F8
126.99.8		CHLOROPRENE	2,4,6 F9
1331.28.8		CHLOROSTYRENE	4
7790.94.5	*	CHLOROSULFONIC ACID	5 F8
7790.94.5		CHLOROSULFURIC ACID	5 F8
1897.45.6		CHLOROTHALONIL	9 *E*C* F9
100.44.7	*	CHLOROTOLUENE	2,4,5,6 *E* F6 F8 F9
1982.47.4		CHLOROXURON	*E* F6
2921.88.2		CHLORPYRIFOS	4,8 *N* F8
21923.23.9		CHLORTHIOPHOS	*E* F6
10049.05.5		CHROMIC (II) CHLORIDE	2,4 F8 F9
10025.73.7		CHROMIC (III) CHLORIDE	2,4 *E* F6 F8 F9
1066.30.4		CHROMIC ACETATE	2,4 F8 F9
11115.74.5		CHROMIC ACID	2,4 F8 F9
7738.94.5		CHROMIC ACID	2,4 F8 F9
10101.53.8	*	CHROMIC SULFATE	2,4 F8 F9
1308.31.2		CHROMITE ORE	2,4 F8 F9
7440.47.3		CHROMIUM	1,2,3,4 *E*C* F1 F8 F9
1308.38.9		CHROMIUM (III) OXIDE	2,3,4 *E*C* F8 F9
1333.82.0		CHROMIUM ANHYDRIDE	1,2,3,4,5 *E*C* F8 F9
24613.89.6		CHROMIUM CHROMATE	2,4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
10141.00.1		CHROMIUM POTASSIUM SULFATE	2,4 F8 F9
10101.53.8		CHROMIUM SULFATE	2,4 F8 F9
1308.38.9	*	CHROMIUM TRIOXIDE	2,3,4 *E*C* F8 F9
12018.19.8		CHROMIUM ZINC OXIDE	4 F8 F9
13825.86.0		CHROMOUS (II) SULFATE	2,4 F8 F9
10049.05.5	*	CHROMOUS CHLORIDE	2,4 F8 F9
14977.61.8		CHROMYL CHLORIDE	2,4,5 F8 F9
218.01.9		CHRYSENE	4,7 *E*C* F8
12001.29.5		CHRYSOTILE ASBESTOS	1,2,3,4,7 *E*C* F2
25402.06.6		CINERIN I	4
121.20.0		CINERIN II	4
10061.01.5		CIS-1,3-DICHLOROPRENE	1,5 *E*C*
15663.27.1		CISPLATIN	1,3 *E*C*
6358.53.8		CITRUS RED NO.2	1,7 *E*C*
1420.04.8		CLONITRALID	8,9
2971.90.6		CLOPIDOL	4
N/A		COAL	2,4 F5
8007.45.2		COAL TAR	1,7 *E*C*
65996.91.0		COAL TAR LIGHT OIL	6 F4
65996.93.2		COAL TAR PITCH	1,2,4,7 *E*C* F4
7440.48.4		COBALT	2,4 F1 F9
10210.68.1		COBALT CARBONYL	4 *E* F6 F9
13455.25.9		COBALT CHROMATE	2,4 F8 F9
16842.03.8		COBALT HYDROCARBONYL	4 F9
62207.76.5		COBALT(II),N,N'-ETHYLENEBIS-(3-FLUOROSALICYLIDENEIMINATO)	F6 *E* F9
11114.92.4		COBALT CHROMIUM ALLOY	2,3,4 *E*C* F1 F8 F9
7789.43.7		COBALTOUS BROMIDE	F8 F9
544.18.3		COBALTOUS FORMATE	F8 F9
10141.05.6		COBALTOUS NITRATE	5 F9
14017.41.5		COBALTOUS SULFAMATE	F8 F9
64.86.8		COLCHICINE	*E* F6
9004.70.0		COLLODION	5,6
7440.50.8		COPPER	2,4 F1 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1344.67.8		COPPER CHLORIDE	2,4
12018.10.9		COPPER CHROMATE	2
13548.42.0		COPPER CHROMATE	2,4 F8 F9
544.92.3		COPPER CYANIDE	2,4 F8 F9
N/A		COTTON DUST RAW	2,4
81.81.2	*	COUMADIN	2,4 *E* *T1* F6 F8
117.52.2		COUMAFURYL	
56.72.4		COUMAPHOS	*E* F6 F8
5836.29.3		COUMATETRALYL	*E* F6
2971.90.6	*	COYDEN	2,4
136.78.7		CRAG HERBICIDE	2,4
8001.58.9		CREOSOTE, COAL TAR	7,8 *E*C* F8
61789.28.4		CREOSOTE, OIL	8
8021.39.4		CREOSOTE, WOOD	8
1319.77.3		CRESOL	2,4 F8 F9
95.48.7	*	CRESYLIC ACID (O)	2,4,5,6 *E* F6 F8 F9
535.89.7		CRIMIDINE	*E* F6
14464.46.1		CRISTOBALITE ASBESTOS	1,2,3,4 *E*C*
14464.46.1		CRISTOBALITE DUST	1,2,3,4 *E*C*
12001.28.4		CROCIDOLITE ASBESTOS	1,2,3,4,7 *E*C* F2
4170.30.3		CROTONALDEHYDE	2,4,5,6 *E* F6 F8
123.73.9		CROTONALDEHYDE (E)	*E* F6 F8
3724.65.0		CROTONIC ACID	6
6117.91.5		CROTONYL ALCOHOL	6
299.86.5		CRUFOMATE	4
98.82.8		CUMENE	2,4,5 F7 F8 F9
80.15.9		CUMENE HYDROPEROXIDE	5,6 F8 F9
135.20.6		CUPFERRON	3,9 *E*C*F9
142.71.2		CUPRIC ACETATE	F8 F9
7447.39.4		CUPRIC CHLORIDE	F8 F9
3251.23.8		CUPRIC NITRATE	5 F8 F9
5893.66.3		CUPRIC OXALATE	F8 F9
7758.98.7		CUPRIC SULFATE	F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.	Name	References
10380.29.7	CUPRIC SULFATE AMMONIATED	F8 F9
815.82.7	CUPRIC TARTRATE	F8 F9
41198.08.7	CURACRON	8
420.04.2	CYANAMIDE	2,4,6 F8 F9
21725.46.2	CYANAZINE	2,4,8 F8 F9
57.12.5	CYANIDE (ANION)	2,4 F8 F9
372.09.8	CYANOACETIC ACID	2,4,5 F8 F9
460.19.5	CYANOGEN	2,4,5,6 F8 F9
506.68.3	CYANOGEN BROMIDE	2,4,5 *E* F6 F8 F9
506.77.4	CYANOGEN CHLORIDE	2,4 F8 F9
506.78.5	CYANOGEN IODINE	2,4 *E* F6 F8 F9
2636.26.2	CYANOPHOS	2,4 *E* F6 F8 F9
675.14.9	CYANURIC FLUORIDE	2,4 *E* F6 F8 F9
14901.08.7	CYCASIN	1,3,7 *E*C*
287.23.0	CYCLOBUTANE	6
291.64.5	CYCLOHEPTANE	6
110.82.7	CYCLOHEXANE	2,4,5,6 F8 F9
108.93.0	CYCLOHEXANOL	2,4,5
108.94.1	CYCLOHEXANONE	2,4,6 F8
110.83.8	CYCLOHEXENE	2,4,6
66.81.9	CYCLOHEXIMIDE	8 *E* F6
542.18.7	CYCLOHEXYL CHLORIDE	6
108.91.8	CYCLOHEXYLAMINE	4,5,6 *E* F6
827.52.1	CYCLOHEXYLBENZENE	6
98.12.4	CYCLOHEXYLTRICHLOROSILANE	6
121.82.4	CYCLONITE	4
542.92.7	CYCLOPENTADIENE	2,4
287.92.3	CYCLOPENTANE	4,5,6
120.92.3	CYCLOPENTANONE	6
142.29.0	CYCLOPENTENE	6
50.18.0	CYCLOPHOSPHAMIDE	1,3,7 *E*C*T1* F8
75.19.4	CYCLOPROPANE	5,6
13121.70.5	CYHEXATIN	4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
52315.07.8		CYPERMETHRIN	8
147.94.4		CYTARABINE	*T1*
4342.03.4		DACARBAZINE	1,3 *E*C*
1596.84.5		DAMINOZIDE	9 *E*C*
17230.88.5		DANAZOL	*T1*
80.08.0		DAPSONE	9 *E*C*
115.90.2	*	DASANIT	2,4,8 *E* *N* F6
20830.81.3		DAUNOMYCIN	1,7 *E*C* F8
72.54.8	*	DDD	9 F8
72.55.9	*	DDE	9 *E*C* F8
50.29.3		DDT	1,2,3,4,7 *E*C* F8
114.26.1		DDVP	2,4 *N* F9
96.10.6	*	DEAK	5.6
17702.41.9		DECABORANE (14)	2,4,5.6 *E* F6
13654.09.6		DECABROMOBIPHENYL	1 *E*C* F9
1163.19.5		DECABROMODIPHENYL OXIDE	F9
91.17.8		DECAHYDRONAPHTHALENE	6
2156.96.9		DECYL ACRYLATE	6
2016.57.1		DECYLAMINE	6
104.72.3		DECYLBENZENE	6
78.34.2	*	DELANOV	2,4,8 *E* *N* F6
319.86.8		DELTA BHC	F8
8065.48.3		DEMETON	2,4,8 *E* *N* F6
919.86.8		DEMETON S METHYL	*E* F6
64.17.5	*	DENATURED ALCOHOL	2,4,5,6 *T1*
7782.39.0		DEUTERIUM	6
2238.07.5	*	DGE	2,4 *E* F6
117.81.7	*	DI-2-ETHYLHEXYLPHTHALATE	1,2,3,4 *E*C* F8 F9
123.42.2		DIACETONE ALCOHOL	2,4
110.22.5	*	DIACETYL PEROXIDE	56
10311.84.9		DIALIFOS	*E* F6
2303.16.4		DIALLATE	7,8 *E*C* F8 F9
131.17.9		DIALLYL PHTHALATE	6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
25376.45.8		DIAMINOTOLUENE	F8 F9
6009.70.7		DIAMMONIUM OXALATE	F8
872.10.6		DIAMYL SULFIDE	6
2050.92.2		DIAMYLAMINE	5,6
7631.86.9		DIATOMACEOUS EARTH	2,4 F5
439.14.5		DIAZEPAM	*T2*
333.41.5		DIAZINON	4 *N* F8
334.88.3		DIAZOMETHANE	2,4 F9
226.36.8		DIBENZ(A,H)ACRIDINE	1,3,7 *E*C* F8
53.70.3		DIBENZ(A,H)ANTHRACENE	1,3,7 *E*C* F8
224.42.0		DIBENZ(A,J)ACRIDINE	1,3,7 *E*C* F8
192.65.4		DIBENZO(A,E)PYRENE	1,7 *E*C* F8
189.64.0		DIBENZO(A,H)PYRENE	1,3,7 *E*C* F8
189.55.9		DIBENZO(A,I)PYRENE	1,3,7 *E*C* F8
191.30.0		DIBENZO(A,L)PYRENE	1 *E*C* F8
132.64.9		DIBENZOFURAN	F9
N/A		DIBENZOYL CHLORIDE	5
19287.45.7		DIBORANE	2,4,5,6 *E* F6
300.76.5	*	DIBROM	2,4 *N* F8
96.12.8	*	DIBROMOCHLOROPROPANE	1,3,7,8,9 *E*C* F7 F8 F9
74.95.3		DIBROMOMETHANE	F7 F8 F9
112.98.1		DIBUTOXY TETRAGLYCOL	6
142.96.1		DIBUTYL ETHER	5,6
2528.61.1		DIBUTYL PHENYL PHOSPHATE	4
107.66.4		DIBUTYL PHOSPHATE	2,4 *E*
1809.19.4		DIBUTYL PHOSPHITE	6
84.74.2		DIBUTYL PHTHALATE	2,4 F8 F9
111.92.2		DIBUTYLAMINE	5,6
102.81.8	*	DIBUTYLAMINOETHANOL	4,6
2109.64.0		DIBUTYLISOPROPANOLAMINE	6
2781.10.4		DIBUTYLTIN DI-2-ETHYLHEXOATE	2
1067.33.0		DIBUTYLTIN DIACETATE	9
683.18.1		DIBUTYLTIN DICHLORIDE	2

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1918.00.9		DICAMBA	F8
1194.65.6		DICHOLOBENIL	F8
117.80.6		DICHLONE	F8
79.36.7		DICHLOROACETYL CHLORIDE	6
7572.29.4		DICHLOROACETYLENE	4
8023.53.8		DICHLOROBENZALKONIUM CHLORIDE	
25321.22.6		DICHLOROBENZENE (MIXED)	F8 F9
91.94.1	*	DICHLOROBENZIDINE	1,3,4,7 *E*C* F8 F9
75.71.8		DICHLORODIFLUOROMETHANE	2,4 F7 F8
50.29.3	*	DICHLORODIPHENYL TRICHLOROETHANE	1,2,3,4,7 *E*C* F8
111.44.4	*	DICHLOROETHYL ETHER	2,4,7 *E*C* F6 F8 F9
542.88.1	*	DICHLOROETHYL ETHER	1,2,3,4,7 *E*C* F6 F8 F9
156.59.2		DICHLOROETHYLENE CIS	6 F7
156.60.5		DICHLOROETHYLENE TRANS	6 F7 F8
75.43.4		DICHLOROFLUOROMETHANE	2,4 F8
75.09.2	*	DICHLOROMETHANE	1,2,3,4,5,6 *E*C* F7 F8 F9
149.74.6		DICHLOROMETHYLPHENYLSILANE	*E* F6
75.43.4	*	DICHLOROMONOFLUOROMETHANE	2,4 F8
26638.19.7		DICHLOROPROPANE	F8
8003.19.8		DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)	F8
542.75.6	*	DICHLOROPROPENE	1,4,6 *E*C* F7 F8 F9
2782.57.2		DICHLORO S TRIAZINETRIONE	5
76.14.2		DICHLOROTETRAFLUROETHANE	2,4 F8
62.73.7		DICHLORVOS	4,6,9 *E* *N* F6 F8 F9
51338.27.3	*	DICLOFOP METHYL	8
115.32.2		DICOFOL	9 *E*C* F8 F9
141.66.2		DICROTOPHOS	4,8 *E* *N* F6
101.83.7		DICYCLOHEXYLAMINE	6
77.73.6		DICYCLOPENTADIENE	4,6
102.54.5		DICYCLOPENTADIENYL IRON	4
60.57.1		DIELDRIN	2,4,7,9 *E*C* F8
62.73.7	*	DIEMTHYL-O,O-DICHLOROVINYL-2,2-PHOSPHATE (TECHNICAL)	4,6,9 *E*N* F6 F8 F9
84.17.3	*	DIENESTROL	1 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
84.17.3		DIENOESTROL	1 *E*C*
1464.53.5		DIEPOXYBUTANE	1,3,7 *E*C* F6 F8 F9
111.42.2		DIETHANOLAMINE	4 F9
1619.57.4		DIETHYL ACETOACETATE	6
88.10.8		DIETHYL CARBAMYL CHLORIDE	6
105.58.8		DIETHYL CARBONATE	6
1719.53.5		DIETHYL DICHLOROSILANE	
60.29.7	*	DIETHYL ETHER	2,4,5,6 F8
96.22.0		DIETHYL KETONE	4,6
628.37.5		DIETHYL PEROXIDE	6
84.66.2		DIETHYL PHTHALATE	4 F8 F9
627.53.2		DIETHYL SELENIDE	2,4,6 F8 F9
64.67.5		DIETHYL SULFATE	1,3,5,6 *E*C* F9
64.67.5	*	DIETHYL SULPHATE	1,3,5,6 *E*C* F9
557.20.0		DIETHYL ZINC	5,6 F8 F9
96.10.6		DIETHYLALUMINUM CHLORIDE	5,6
871.27.2		DIETHYLALUMINUM HYDRIDE	6
109.89.7		DIETHYLAMINE	2,4,5,6 F8
100.37.8	*	DIETHYLAMINO ETHANOL	2,4,6
692.42.2		DIETHYLARSINE	F8
1642.54.2		DIETHYLCARBAMAZINE CITRATE	*E* F6
814.49.3		DIETHYLCHLOROPHOSPHATE	*E* F6
1331.43.7		DIETHYLCYCLOHEXANE	6
123.91.1	*	DIETHYLENE DIOXIDE	1,2,3,4,5,6,7,9 *E*C* F8 F9
111.77.3		DIETHYLENE GLYCOL METHYL ETHER	6 F8
111.40.0		DIETHYLENE TRIAMINE	4,5,6
311.45.5		DIETHYL-P-PHENYL PHOSPHATE	F8
93.05.0		DIETHYL-P-PHENYLENEDIAMINE	
56.53.1		DIETHYLSTILBESTROL	1,3,7 *E*C*T1* F8
35367.38.5		DIFLUBENZURON	8
75.68.3		DIFLUORO 1 CHLOROETHANE	6 F8
75.61.6		DIFLUORODIBROMOMETHANE	2,4 F8
75.37.6		DIFLUOROETHANE	

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
2425.06.1	*	DIFOLATAN	2,4,8
71.63.6		DIGITOXIN	*E* F6
2238.07.5		DIGLYCIDYL ETHER	2,4 *E* F6
101.90.6		DIGLYCIDYL RESORCINOL ETHER	1,3 *E*C*
20830.75.5		DIGOXIN	F6 *E*
143.16.8		DIHEXYLAMINE	6
110.87.2		DIHYDROPYRAN	6
94.58.6		DIHYDROSAFROLE	1,7 *E*C* F8
128.46.1		DIHYDROSTREPTOMYCIN	*T1*
123.31.9	*	DIHYDROXYBENZENE	2,4,6 *E* F6 F9
108.83.8		DIISOBUTYL KETONE	2,4
1191.15.7		DIISOBUTYLALUMINUM HYDRIDE	6
110.96.3		DIISOBUTYLAMINE	6
25167.70.8		DIISOBUTYLENE	6
110.97.4		DIISOPROPANOLAMINE	6
108.20.3	*	DIISOPROPYL ETHER	2,4,5,6
105.64.6		DIISOPROPYL PEROXYDICARBONATE	5,6
108.18.9		DIISOPROPYLAMINE	2,4,5,6
674.82.8		DIKETENE	5,6
57.41.0	*	DILANTIN	1,3 *E*C*T1*
105.74.8		DILAUROYL PEROXIDE	5
115.26.4		DIMEFOX	*E* F6
60.51.5		DIMETHOATE	*E* F6 F8
109.87.5	*	DIMETHOXYMETHANE	2,4,6
127.19.5		DIMETHYL ACETAMIDE	2,4,6
79.44.7		DIMETHYL CARBAMOYL CHLORIDE	1,3,4,7 *E*C* F8 F9
97.97.2		DIMETHYL CHLORACETAL	6
115.10.6	*	DIMETHYL ETHER	5,6
2524.03.0		DIMETHYL PHOSPHOROCHLORIDOTHIOATE	*E* F6
6284.84.0		DIMETHYL PIPERAZINE CIS	6
77.78.1		DIMETHYL SULFATE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
75.18.3		DIMETHYL SULFIDE	5,6 *E* F6
77.78.1	*	DIMETHYL SULPHATE	1,2,3,4,5,6,7 *E*C* F6 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
300.76.5	*	DIMETHYL 1,2 DIBROMO 2,2 DICHLOROETHYL PHOSPHATE (DIBROM)	2,4 *N* F8
124.40.3		DIMETHYLAMINE	2,4,5,6 F8
1300.73.8	*	DIMETHYLAMINO BENZENE	2,4
121.69.7		DIMETHYLANILINE	2,4,6 F9
1330.20.7	*	DIMETHYLBENZENE	2,4 F8 F9
1467.79.4		DIMETHYLCYANAMIDE	2,4,6 F8 F9
75.78.5		DIMETHYLDICHLOROSILANE	6 *E* F6
25136.55.4		DIMETHYLDIOXANE	6
68.12.2		DIMETHYLFORMAMIDE	2,4
57.14.7	*	DIMETHYLHYDRAZINE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
62.75.9	*	DIMETHYLNITROSOAMINE	1,2,3,4,7 *E*C* F6 F8 F9
131.11.3		DIMETHYLPHTHALATE	2,4 F8 F9
99.98.9		DIMETHYL P PHENYLENEDIAMINE	*E* F6
513.37.1		DIMETHYLVINYL CHLORIDE	3 *E*C*
644.64.4		DIMETILAN	*E* F6
148.01.6		DINITOLMIDE	4
528.29.0	*	DINITROBENZENE	2,4,5,6 F8
25154.54.5		DINITROBENZENE (MIXED)	F8
25567.67.3		DINITROCHLOROBENZENE	6 F8
534.52.1	*	DINITROCRESOL	2,4 *E* F6 F8 F9
10544.72.6	*	DI-NITROGEN DIOXIDE	5 F8
534.52.1		DINITRO O CRESOL	2,4 *E* F6 F8 F9
25550.58.7		DINITROPHENOL	F8
25321.14.6		DINITROTOLUENE	4 F8
88.85.7		DINOSEB	*E* F6 F8
1420.07.1		DINOTERB	*E* F6
621.64.7	*	DI N PROPYL NITROSAMINE	1,3,7 *E*C* F8 F9
117.84.0		DIOCTYL PHTHALATE	F8 F9
123.91.1	*	DIOXANE	1,2,3,4,5,6,7,9 *E*C* F8 F9
123.91.1	*	DIOXANE, TECH. GRADE	1,2,3,4,5,6,7,9 *E*C* F8 F9
78.34.2		DIOXATHION	2,4,8 *E* *N* F6
646.06.0		DIOXOLANE	6
82.66.6		DIPHACINONE	*E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
92.52.4	*	DIPHENYL	2,4,6 F9
122.39.4		DIPHENYLAMINE	4,6
80.10.4		DIPHENYLDICHLOROSILANE	6
101.68.8	*	DIPHENYLMETHANE DIISOCYANATE	2,4 F8 F9
152.16.9	*	DIPHOSPHORAMIDE,OCTAMETHYL	*E* F6 F8
123.19.3		DIPROPYL KETONE	4,6
2036.15.9		DIPROPYLALUMINUM HYDRIDE	6
142.84.7		DIPROPYLAMINE	6 F8
34590.94.8		DIPROPYLENE GLYCOL METHYL ETHER	2,4 F8
67730.10.3	*	DIPYRIDO[1,2-A:3',2'-D]IMIDAZOL-2-AMINE	1 *E*C*
2764.72.9		DIQUAT	4 F8
85.00.7		DIQUAT DIBROMIDE	4 F8
1937.37.7		DIRECT BLACK 38	1,3,9 *E*C* F9
1937.37.7	*	DIRECT BLACK 38 (TECHNICAL GRADE)	1,3,9 *E*C* F9
2602.46.2		DIRECT BLUE 6	1,3,9 *E*C* F9
2602.46.2	*	DIRECT BLUE 6 (TECHNICAL GRADE)	1,3,9 *E*C* F9
16071.86.6		DIRECT BROWN 95	1,9 *E*C* F9
16071.86.6	*	DIRECT BROWN 95 (TECHNICAL GRADE)	1,9 *E*C* F9
117.81.7		DI SEC OCTYL PHTHALATE	1,2,3,4 *E*C* F8 F9
626.23.3		DI SEC-BUTLAMINE	6
97.77.8		DISULFIRAM	4
298.04.4		DISULFOTON	4,8 *E* *N* F6 F8
298.04.4	*	DISYSTON	4,8 *E* *N* F6 F8
110.05.4		DI TERT BUTYL PEROXIDE	5,6
514.73.8		DITHIAZANINE IODINE	*E* F6
541.53.7		DITHIOBIURET	*E* F6 F8
330.54.1		DIURON	4 F8
821.08.9		DIVINYL ACETYLENE	6
1321.74.0		DIVINYL BENZENE	4,5
109.93.3		DIVINYL ETHER	5,6
13146.28.6		DL-5-(MORPHOLINOMETHYL)-3((5-NITROFURFURYLIDENE)AMINO)-2-OXAZOLIDINONE HYDROCHLORIDE	1 *E*C*
2528.36.1		DIBUTYL PHENYL PHOSPHATE	4
25321.14.6		DINITROTOLUENE	4 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
27176.87.0		DODECYLBENZENESULFONIC ACID	F8
2104.64.5	*	DODEMORPH	2,4,8 *E* F6
52.67.5		D-PENICILLAMINE	*T2*
2921.88 .2	*	DURSBAN	2,4,8 *N* F8
944.22.9	*	DYFONATE	2,4,8 *E* *N* F6
112.62.8	*	EMERY	4 F5
316.42.7		EMETINE DIHYDROCHLORIDE	*E* F6
115.29.7		ENDOSULFAN	4 *E* F6 F8
1031.07.8		ENDOSULFAN SULFATE	F8
145.73.3		ENDOTHALL	F8
2778.04.3		ENDOTHION	*E* F6
72.20.8		ENDRIN	2,4,5,8 *E* F6 F8
7421.93.4		ENDRIN ALDEHYDE	F8
13838.16.9		ENFLURANE	4
106.89.8		EPICHLOROHYDRIN	1,2,3,4,5,6,7 *E*C* F6 F8 F9
2104.64.5		EPN	2,4,8 *E* F6
50.14.6		ERGOCALCIFEROL	*E*F6
379.79.3		ERGOTAMINE TARTRATE	*E*F6
66733.21.9		ERIONITE	1 *E*C*
22966.79.6		ESTRADIOL MUSTARD	9 *E*C*
50.28.2	*	ESTRADIOL 17B	1,3 *E*C*
53.16.7	*	ESTRONE	1,3 *E*C*
75.04.7	*	ETHANAMINE	2,4,5,6 F8
74.84.0		ETHANE	4,6
2944.67.4		ETHANEDIOIC ACID, AMMONIUM IRON (3+) SALT	F8
55488.87.4		ETHANEDIOIC ACID, AMMONIUM IRON SALT	F8
14258.49.2		ETHANEDIOIC ACID, AMMONIUM SALT	F8
5972.73.6		ETHANEDIOIC ACID, MONOAMMONIUM SALT, MONOHYDRATE	F8
1622.32.8		ETHANESULFONYL CHLORIDE,-2-CHLORO	*E* F6
62.55.5	*	ETHANETHIOAMIDE	1,3,7 *E*C* F8 F9
75.08.1	*	ETHANETHIOL	2,4,6
64.17.5	*	ETHANOL	2,4,5,6 *T1*
10140.87.1	*	ETHANOL,1,2-DICHLORO ,ACETATE	*E* F6
141.43.5		ETHANOLAMINE	2,4,5,6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
74.85.1	*	ETHENE	4,5,6 F9
57.63.6	*	ETHINYLESTRADIOL	1,3 *E*C*
57.63.6		ETHINYOESTRADIOL	1,3 *E*C*
563.12.2		ETHION	4,8 *E*N* F6 F8
434.03.7		ETHISTERONE	*T2*
13194.48.4		ETHOPROP	8 *E* *N* F6
13194.48.4	*	ETHOPROPHOS	8 *E*N* F6
927.80.0		ETHOXYACETYLENE	6
510.15.6	*	ETHYL 4,4'DICHLOROBENZILATE	7,8,9 *E*C* F8 F9
141.78.6		ETHYL ACETATE	2,4,5,6 F8
141.97.9		ETHYL ACETOACETATE	6
140.88.5		ETHYL ACRYLATE	1,2,4,5,6 *E*C* F8 F9
64.17.5		ETHYL ALCOHOL	2,4,5,6 *T1*
541.85.5		ETHYL AMYL KETONE	2,4
100.41.4		ETHYL BENZENE	2,4,5,6 F7 F8 F9
34099.73.5		ETHYL BORATE	6
74.96.4		ETHYL BROMIDE	2,4,6 F7
30714.78.4		ETHYL BUTYL CARBONATE	6
628.81.9		ETHYL BUTYL ETHER	6
106.35.4		ETHYL BUTYL KETONE	2,4
105.54.4		ETHYL BUTYRATE	6
123.66.0		ETHYL CAPROATE	6
106.32.1		ETHYL CAPRYLATE	6
51.79.6	*	ETHYL CARBAMATE	1,3,7 *E*C* F8 F9
75.00.3		ETHYL CHLORIDE	2,4,5,6 F7 F8 F9
105.39.5		ETHYL CHLOROACETATE	6
541.41.3		ETHYL CHLOROFORMATE	6 F9
623.70.1		ETHYL CROTONATE	6
105.56.6		ETHYL CYANOACETATE	2,4,6 F8 F9
4806.61.5		ETHYL CYCLOBUTANE	6
1678.91.7		ETHYL CYCLOHEXANE	6
1640.89.7		ETHYL CYCLOPENTANE	6
1789.58.8		ETHYL DICHLOROSILANE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
51.79.6	*	ETHYL ESTER CARBAMIC ACID	1,3,7 *E*C* F8 F9
60.29.7		ETHYL ETHER	2,4,5,6 F8
353.36.6		ETHYL FLUORIDE	6
109.94.4		ETHYL FORMATE	2,4,6
122.51.0		ETHYL FORMATE (ORTHO)	6
97.62.1		ETHYL ISOBUTYRATE	6
97.64.3		ETHYL LACTATE	6
75.08.1		ETHYL MERCAPTAN	2,4,6
97.63.2		ETHYL METHACRYLATE	6 F8
62.50.0		ETHYL METHANESULFONATE	1,3,7 *E*C* F8
62.50.0	*	ETHYL METHANESULPHONATE	1,3,7 *E*C* F8
540.67.0		ETHYL METHYL ETHER	5,6
78.93.3	*	ETHYL METHYL KETONE	2,4,5,6 F8 F9
1338.23.4	*	ETHYL METHYL KETONE PEROXIDE	4,5 F8
625.58.1		ETHYL NITRATE	6
109.95.5		ETHYL NITRITE	5,6
56.38.2	*	ETHYL PARATHION	2,4,5,8,9 *E* *N* F6 F8 F9
105.37.3		ETHYL PROPIONATE	6
628.32.0		ETHYL PROPYL ETHER	6
541.85.5	*	ETHYL SEC AMYL KETONE	2,4
78.10.4		ETHYL SILICATE	2,4,6
30145.38.1		ETHYL TELLURAC	9 *E*C*
542.90.5		ETHYL THIOCYANATE	2,4 F6 *E* F8 F9
563.43.9		ETHYLALUMINUM DICHLORIDE	6
12075.68.2		ETHYLALUMINUM SESQUICHLORIDE	6
75.04.7		ETHYLAMINE	2,4,5,6 F8
103.69.5	*	ETHYLANILINE	5,6
92.59.1		ETHYLBENZYLANILINE	6
538.07.8		ETHYLBIS (2 CHLOROETHYL)AMINE	*E* F6
13360.63.9		ETHYLBUTYLAMINE	6
74.85.1		ETHYLENE	4,5,6 F9
142.59.6		ETHYLENE BIS DITHIOCARBAMATE	7 *E*C*
96.49.1		ETHYLENE CARBONATE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
107.07.3		ETHYLENE CHLOROHYDRIN	2,4,6 *E* F6
109.78.4		ETHYLENE CYANOHYDRIN	2,4,5,6 F8 F9
106.93.4		ETHYLENE DIBROMIDE	1,2,3,4,5,7,9 *E*C* F7 F8 F9
107.06.2	*	ETHYLENE DICHLORIDE	1,2,3,4,5,6,7,9 *E*C* F7 F8 F9
371.62.0		ETHYLENE FLUOROXYDRIN	*E*F6
107.21.1		ETHYLENE GLYCOL	4 F9
629.14.1		ETHYLENE GLYCOL DIETHYL ETHER	6 F8
110.71.4		ETHYLENE GLYCOL DIMETHYL ETHER	6 F8
628.96.6		ETHYLENE GLYCOL DINITRATE	2,4
109.59.1		ETHYLENE GLYCOL ISOPROPYL ETHER	2,4,6 F8
818.61.1		ETHYLENE GLYCOL MONOACRYLATE	6
622.08.2		ETHYLENE GLYCOL MONOBENZYL ETHER	6 F8
111.76.2	*	ETHYLENE GLYCOL MONOBUTYL ETHER	2,4,6 F8
110.80.5	*	ETHYLENE GLYCOL MONOETHYL ETHER	2,4,6 *T1* F8 F9
4439.24.1		ETHYLENE GLYCOL MONOISOBUTYL ETHER	6 F8
109.86.4	*	ETHYLENE GLYCOL MONOMETHYL ETHER	2,4,6 *T1* F9
110.49.6	*	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	2,4 *T1* F8
75.21.8		ETHYLENE OXIDE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
96.45.7		ETHYLENE THIOUREA	1,3,7 *E*C* F8 F9
107.15.3		ETHYLENEDIAMINE	2,4,5,6 *E* F6 F8
60.00.4		ETHYLENEDIAMINE TETRAACETIC ACID (EDTA)	F8
151.56.4		ETHYLENEIMINE	2,4,5,6,7 *E*C* F6 F8 F9
75.34.3	*	ETHYLIDENE CHLORIDE	2,4,6,9 F7 F8
16219.75.3		ETHYLIDENE NORBORNENE	4
2235.25.8		ETHYLMERCURIC PHOSPHATE	2,4 F8 F9
115.21.9	*	ETHYLTRICHLOROSILANE	5,6 *E* F6
287.76.7		ETHYNODIOL DIACETATE	1 *E*C*
52.85.7		FAMPHUR	F8
22224.92.6		FENAMIPHOS	1,4,8 *E*C* F6
122.14.5		FENITROTHION	8 *E* F6
115.90.2		FENSULFOTHION	4,8 *E* *N* F6
55.38.9		FENTHION	4,9 *N*
51630.58.1		FENVALERATE	8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
14484.64.1		FERBAM	2,4
1185.57.5		FERRIC AMMONIUM CITRATE	F8
2944.67.4	*	FERRIC AMMONIUM OXALATE	F8
55488.87.4	*	FERRIC AMMONIUM OXALATE	F8
7705.08.0		FERRIC CHLORIDE	F8
9004.66.4	*	FERRIC DEXTRAN	1,3,7 *E*C* F8
7783.50.8		FERRIC FLUORIDE	F8
10421.48.4		FERRIC NITRATE	F8
10028.22.5		FERRIC SULFATE	F8
102.54.5	*	FERROCENE	2,4
10045.89.3		FERROUS AMMONIUM SULFATE	F8
7758.94.3		FERROUS CHLORIDE	F8
7720.78.7		FERROUS SULFATE	F8
7782.63.0		FERROUS SULFATE (HEPAHYDRATE)	F8
12604.58.9		FERROVANADIUM DUST	2,4
N/A		FIBROUS GLASS	4 F5
70124.77.5		FLUCYTHRINATE	8 *N*
4301.50.2		FLUENETIL	*E* F6
2164.17.2		FLUOMETURON	F9
86.73.7		FLUORENE	F8
7782.41.4		FLUORINE	2,4,5 *E* F6 F8
640.19.7		FLUOROACETAMIDE/1081	8 *E* F6 F8
144.49.0		FLUOROACETIC ACID	*E* F6
359.06.8		FLUOROACETYL CHLORIDE	*E* F6
462.06.6		FLUOROBENZENE	6
75.69.4	*	FLUOROCARBON 11	2,4 F7 F8
76.12.0	*	FLUOROCARBON 112	2,4 F8
76.11.9	*	FLUOROCARBON 112A	2,4 F8
76.13.1	*	FLUOROCARBON 113	2,4 F8 F9
76.14.2	*	FLUOROCARBON 114	2,4 F8
75.71.8	*	FLUOROCARBON 12	2,4 F7 F8
75.61.6	*	FLUOROCARBON 12 B2	2,4 F8
75.43.4		FLUOROCARBON 21	2,4 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
75.45.6	*	FLUOROCARBON 22	2,4
75.69.4	*	FLUOROTRICHLOROMETHANE	2,4 F7 F8
51.21.8		FLUOROURACIL	*E* *T1* F6
944.22.9		FONOFOS	4,8 *E* *N* F6
50.00.0		FORMALDEHYDE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
107.16.4		FORMALDEHYDE CYANOHYDRIN	2,4 *E* F6 F8 F9
50.00.0	*	FORMALIN	1,2,3,4,5,6,7 *E*C* F6 F8 F9
75.12.7		FORMAMIDE	4,6
23422.53.9	*	FORMETANATE	*E* F6
23422.53.9		FORMETANATE HYDROCHLORIDE	*E* F6
64.18.6		FORMIC ACID	2,4,5,6 F8
2540.82.1		FORMOTHION	*E* F6
17702.57.7		FORMPARANATE	*E* F6
21548.32.3		FOSTHIETAN	*E* F6
3878.19.1		FUBERIDAZOLE	*E* F6
628.86.4		FULMINIC ACID, MERCURY(II)SALT	2,4 F8 F9
110.17.8		FUMARIC ACID	F8
1563.66.2	*	FURADAN	2,4,8 *E* *N* F6 F8
110.00.9		FURAN	6 *E* F6 F8
98.01.1		FURFURAL	2,4,5 F8
98.00.0		FURFURYL ALCOHOL	2,4
617.89.0		FURFURYLAMINE	6
13450.90.3		GALLIUM TRICHLORIDE	*E* F6
58.89.9	*	GAMMA HCH	2,3,4,5,7,8 *E*C* F6 F8 F9
58.89.9	*	GAMMA HEXACHLOROCYCLOHEXANE	2,3,4,5,7,8 *E*C* F6 F8 F9
65996.68.1		GAS,BLAST FURNACE	6
8006.14.2		GAS,NATURAL	5,6
8006.20.0		GAS,PRODUCER	6
8006.61.9		GASOLINE	4,5,6
7782.65.2		GERMANIUM TETRAHYDRIDE	4
67730.11.4	*	GLU P-1	1 *E*C*
67730.10.3	*	GLU P-2	1 *E*C*
111.30.8		GLUTARALDEHYDE	4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
56.81.5		GLYCERINE MIST	2,4
765.34.4		GLYCIDALDEHYDE	1,7 *E*C* F8
556.52.5		GLYCIDOL	2,4
123.81.9		GLYCOL DIMERCAPTOACETATE	6
110.80.5	*	GLYCOL MONOETHYL ETHER	2,4,6 *T1* F8 F9
N/A		GRAIN DUST	4 F5
7782.42.5		GRAPHITE (NATURAL) DUST	2,4 F5
N/A		GRAPHITE, SYNTHETIC	4
126.07.8		GRISEOFULVIN	1 *E*C*
12172.73.5	*	GRUNERITE ASBESTOS	1,2,3,4,7 *E*C* F2
86.50.0	*	GUTHION	2,4,8,9 *E* *N* F6 F8
7778.18.9	*	GYPHONUM	4
16568.02.8		GYROMITRIN	1 *E*C*
7440.58.6		HAFNIUM	2,4 F1
151.67.7		HALOTHANE	4 F8
1321.65.9	*	HALOWAX	2,4 F8
1335.87.1	*	HALOWAX 1014	2,4 F8 F9
7440.59.7		HELIUM	4
76.44.8		HEPTACHLOR	2,4,7,8,9 *E*C* F8 F9
1024.57.3		HEPTACHLOR EPOXIDE	F8
142.82.5		HEPTANE (N HEPTANE)	2,4,5,6
111.68.2		HEPTYLAMINE	6
25339.56.4		HEPTYLENE	6
14686.13.6		HEPTYLENE 2 TRANS	6
561.27.3		HEROIN	*T2*
36355.01.8		HEXABROMOBIPHENYL	1 *E*C* F9
87.68.3	*	HEXACHLORO 1,3 BUTADIENE	4,6,7 *E*C* F7 F8 F9
118.74.1		HEXACHLOROBENZENE	1,3,7 *E*C*T1* F8 F9
87.68.3		HEXACHLOROBUTADIENE	4,6,7 *E*C* F7 F8 F9
77.47.4		HEXACHLOROCYCLOPENTADIENE	4 *E* F6 F8 F9
34465.46.8		HEXACHLORODIBENZODIOXIN	7 *E*C*
55720.99.5	*	HEXACHLORODIPHENYL OXIDE	2,4,6
67.72.1		HEXACHLOROETHANE	2,4,7,9 *E*C* F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1335.87.1		HEXACHLORONAPHTHALENE	2,4 F8 F9
70.30.4		HEXACHLOROPHENE	F8
1888.71.7		HEXACHLOROPROPENE	F8
5894.60.0		HEXADECYLTRICHLOROSILANE	6
757.58.4		HEXAETHYL TETRAPHOSPHATE	F8
684.16.2		HEXAFLUOROACETONE	4
110.82.7	*	HEXAHYDROBENZENE	2,4,5,6 F8 F9
680.31.9		HEXAMETHYL PHOSPHORAMIDE	1,34 *E*C* F9
822.06.0		HEXAMETHYLENE DIISOCYANATE	4 F8 F9
124.09.4		HEXAMETHYLENEDIAMINE	
111.49.9		HEXAMETHYLENEIMINE	
66.25.1		HEXANAL	6
110.54.3		HEXANE	2,4,5,6
108.10.1	*	HEXONE	2,4,5,6 F8 F9
112.58.3		HEXYL ETHER	6
111.26.2		HEXYLAMINE	6
107.41.5		HEXYLENE GLYCOL	4
51338.27.3		HOELON	8
1336.21.6	*	HOUSEHOLD AMMONIA	F8
7681.52.9	*	HOUSEHOLD BLEACH	F8
302.01.2		HYDRAZINE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
10034.93.2		HYDRAZINE SULFATE	3 *E*C* F9
122.66.7		HYDRAZOBENZENE	3,7,9 *E*C* F8 F9
10034.85.2		HYDRIODIC ACID	5
10035.10.6	*	HYDROBROMIC ACID	2,4,5
7647.01.0	*	HYDROCHLORIC ACID	2,4,5 *E* F6 F8 F9
74.90.8	*	HYDROCYANIC ACID	2,4,5,6,8 *E* F6 F8 F9
7664.39.3	*	HYDROFLUORIC ACID	2,4,5 *E* F6 F8 F9
16961.83.4		HYDROFLUOSILICIC ACID	2,4
1333.74.0		HYDROGEN	4,5,6
10035.10.6		HYDROGEN BROMIDE	2,4,5
7647.01.0		HYDROGEN CHLORIDE	2,4,5 *E* F6 F8 F9
74.90.8		HYDROGEN CYANIDE	2,4,5,6,8 *E* F6 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
7664.39.3		HYDROGEN FLUORIDE	2,4,5 *E* F6 F8 F9
7722.84.1		HYDROGEN PEROXIDE	2,4,5 *E* F6
7783.07.5		HYDROGEN SELENIDE	2,4 *E* F6 F8 F9
7783.06.4		HYDROGEN SULFIDE	2,4,5,6 *E* F6 F8
61788.32.7		HYDROGENATED TERPHENYLS	4
123.31.9		HYDROQUINONE	2,4,6 *E* F6 F9
7803.49.8		HYDROXYLAMINE	5,6
21416.87.5		ICRF 159	9 *E*C*
109.97.7	*	IMIDOLE	6
95.13.6		INDENE	4
193.39.5		INDENO(1,2,3-CD)PYRENE	1,3,7 *E*C* F8
7440.74.6		INDIUM	4 F1
53.86.1		INDOMETHACIN	
7553.56.2		IODINE	2,4
75.47.8		IODOFORM	4
74.88.4	*	IODOMETHANE	1,2,3,4,7 *E*C* F8 F9
3458.22.8		IPD	9 *E*C*
76180.96.6	*	IQ	1 *E*C*
10025.97.5		IRIDIUM TETRACHLORIDE	
10294.53.8		IRON (III) DICHROMATE	2,4 F8 F9
13463.40.6	*	IRON CARBONYL	4,6 *E* F6
9004.66.4		IRON DEXTRAN	1,3,7 *E*C* F8
9004.66.4	*	IRON DEXTRAN COMPLEX	1,3,7 *E*C* F8
1309.37.1		IRON OXIDE DUST	2
1309.37.1		IRON OXIDE FUME	2,4
13463.40.6		IRON PENTACARBONYL	4,6 *E* F6
8001.86.3		ISANO OIL	6
123.92.2		ISOAMYL ACETATE	2,4,6 F8
123.51.3		ISOAMYL ALCOHOL	2,4
107.84.6		ISOAMYL CHLORIDE	6
297.78.9		ISOBENZAN	*E* F6
75.28.5		ISOBUTANE	6
110.19.0		ISOBUTYL ACETATE	2,4,5,6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
106.63.8		ISOBUTYL ACRYLATE	6
78.83.1		ISOBUTYL ALCOHOL	2,4,6 F8
513.36.0		ISOBUTYL CHLORIDE	6
542.55.2		ISOBUTYL FORMATE	6
123.18.2		ISOBUTYL HEPTYL KETONE	6
108.10.1	*	ISOBUTYL METHYL KETONE	2,4,5,6 F8 F9
78.81.9		ISOBUTYLAMINE	6 F8
538.93.2		ISOBUTYLBENZENE	6
78.84.2		ISOBUTYRALDEHYDE	5,6 F9
79.31.2		ISO BUTYRIC ACID	F8
97.72.3		ISOBUTYRIC ANHYDRIDE	
78.82.0		ISOBUTYRONITRILE	6 *E* F6
102.36.3	*	ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	2,4 *E* F6 F8 F9
465.73.6		ISODRIN	*E* F6 F8
55.91.4		ISOFLUORPHATE	*E* F6 F8
591.76.4		ISOHEPTANE	6
107.83.5		ISOHEXANE	6
540.84.1		ISOOCTANE	6
26952.21.6		ISOOCTYL ALCOHOL	4
590.86.3		ISOPENTALDEHYDE	6
78.78.4		ISOPENTANE	6
503.74.2		ISOPENTANOIC ACID	
78.59.1		ISOPHORONE	2,4,5,6 F8
4098.71.9		ISOPHORONE DIISOCYANATE	2,4 *E* F6 F8 F9
3778.73.2		ISOPHOSPHAMIDE	9 *E*C*
78.79.5		ISOPRENE	5,6 F8
42504.46.1		ISOPROPANOLAMINE DODECYLBENZENE SULFONATE	F8
108.22.5		ISOPROPENYL ACETATE	6
78.80.8		ISOPROPENYL ACETYLENE	6
109.59.1	*	ISOPROPOXYETHANOL	4,6 F8
108.21.4		ISOPROPYL ACETATE	2,4,6
67.63.0		ISOPROPYL ALCOHOL	2,4,5,6F9
98.82.8	*	ISOPROPYL BENZENE	2,4,5 F6 F7 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
75.29.6		ISOPROPYL CHLORIDE	6
108.23.6		ISOPROPYL CHLOROFORMATE	*E* F6
1195.42.2		ISOPROPYL CYCLOHEXYLAMINE	6
108.20.3		ISOPROPYL ETHER	2,4,5,6
625.55.8		ISOPROPYL FORMATE	5,6 *E* F6
4016.14.2		ISOPROPYL GLYCIDYL ETHER (IGE)	2,4
617.51.6		ISOPROPYL LACTATE	6
75.33.2		ISOPROPYL MERCAPTAN	
75.31.0		ISOPROPYLAMINE	2,4,5,6
119.38.0		ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARBAMATE	*E* F6
120.58.1		ISOSAFROLE	1,7 *E*C* F8
4759.48.2	*	ISOTRETINOIN	
4466.14.2		JASMOLIN I	4
1172.63.0		JASMOLIN II	4
59.01.8		KANAMYCIN	*T2*
N/A		KAOLIN DUST	4 F5
115.32.2	*	KELTHANE	9 *E*C* F8 F9
143.50.0		KEPONE	1,3,7 9 *E*C* F8
8008.20.6		KEROSINE	5
463.51.4		KETENE	2,4
3795.88.8		L-5-(MORPHOLINOMETHYL)-3-((5-NITROFURURYLIDENE)AMINO)-2-OXAZOLIDINONE	1 *E*C*
78.97.7		LACTONITRILE	6 *E* F6
16752.77.5	*	LANNATE	2,4,8 *E* *N* F6 F8
303.34.4		LASIOCARPINE	1,7,9 *E*C* F8
7439.92.1		LEAD	4 *T1* F1 F8 F9
7784.40.9		LEAD (II) ARSENATE	4 F8 F9
35029.96.0		LEAD (II) METHYLTHIOLATE	4 F8 F9
546.67.8		LEAD (IV) ACETATE	4 F8 F9
10102.48.4		LEAD (IV) ARSENATE	4 F8 F9
16996.40.0		LEAD 2-ETHYLHEXOATE	4 F8 F9
301.04.2		LEAD ACETATE	1,3,4 *E*C* F8 F9
13510.89.9		LEAD ANTIMONATE	4 F8 F9
12266.38.5		LEAD ANTIMONIDE	4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
53404.12.9	*	LEAD ARSENATE	4,8 F8 F9
7645.25.2	*	LEAD ARSENATE	4 F8 F9
13424.46.9		LEAD AZIDE	4 F8 F9
19010.66.3		LEAD BIS (DIMETHYLDITHIOCARBAMATE)	4 F8 F9
14720.53.7		LEAD BORATE	4 F8 F9
13814.96.5		LEAD BORON FLUORIDE	4 F8 F9
41453.50.3		LEAD B RESORCYLATE	4 F8 F9
10031.22.8		LEAD BROMIDE	4 F8 F9
15696.43.2		LEAD CAPRYLATE	4 F8 F9
598.63.0		LEAD CARBONATE	4 F8 F9
1319.46.6		LEAD CARBONATE HYDROXIDE	4 F8 F9
7758.95.4		LEAD CHLORIDE	4 F8 F9
39390.00.6		LEAD CHLORIDE SILICATE	4 F8 F9
7758.97.6		LEAD CHROMATE	1,2,3,4 *E*C* F8 F9
18454.12.1		LEAD CHROMATE OXIDE	2,3,4 *E*C* F8 F9
11113.70.5		LEAD CHROMATE SILICATE	2,4 F8 F9
512.26.5		LEAD CITRATE	4 F8 F9
20837.86.9		LEAD CYANAMIDE	2,4 F8 F9
1309.60.0		LEAD DIOXIDE	4 F8 F9
13814.96.5	*	LEAD FLUOBORATE	4 F8 F9
7783.46.2		LEAD FLUORIDE	4 F8 F9
811.54.1		LEAD FORMATE	4 F8 F9
15845.52.0		LEAD HYDROGEN PHOSPHATE	4 F8 F9
19783.14.3		LEAD HYDROXIDE	4 F8 F9
87903.39.7		LEAD HYDROXYSALICYLATE	4 F8 F9
25659.31.8		LEAD IODATE	4 F8 F9
10101.63.0		LEAD IODIDE	4 F8 F9
16996.51.3		LEAD LINOLEATE	4 F8 F9
1068.61.7		LEAD METHACRYLATE	4 F8 F9
10190.55.3		LEAD MOLYBDATE	4 F8 F9
20403.41.2		LEAD MYRISTATE	4 F8 F9
50825.29.1		LEAD NAPHTHENATE	4 F8 F9
12034.88.7		LEAD NEOBATE	4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
27253.28.7		LEAD NEODECANOATE	4 F8 F9
10099.74.8	*	LEAD NITRATE	5 F8 F9
13826.65.8	*	LEAD NITRATE	4 F8 F9
7428.48.0	*	LEAD OCTADECANOATE	4 F8 F9
1120.46.3		LEAD OLEATE	4 F8 F9
814.93.7		LEAD OXALATE	4 F8 F9
1317.36.8		LEAD OXIDE	4 F8 F9
13637.76.6		LEAD PERCHLORATE	4 F8 F9
7446.27.7		LEAD PHOSPHATE	1,3,4 *E*C*F8 F9
6838.85.3		LEAD PHTHALATE	4 F8 F9
13453.66.2		LEAD PYROPHOSPHATE	4 F8 F9
29473.77.6		LEAD SEBACATE	4 F8 F9
7446.15.3		LEAD SELENATE	2,4 F8 F9
12069.00.0		LEAD SELENIDE	2,4 F8 F9
7488.51.9		LEAD SELENITE	2,4 F8 F9
11120.22.2		LEAD SILICATE	4 F8 F9
67711.86.8		LEAD SILICATE SULFATE	4 F8 F9
25808.74.6		LEAD SILICON FLUORIDE	4 F8 F9
1072.35.1	*	LEAD STEARATE	4 F8 F9
52652.59.2	*	LEAD STEARATE	4 F8 F9
56189.09.4	*	LEAD STEARATE	4 F8 F9
7428.48.0	*	LEAD STEARATE	4 F8 F9
1335.32.6		LEAD SUBACETATE	1,4 *E*C* F8 F9
15739.80.7	*	LEAD SULFATE	4 F8 F9
7446.14.2	*	LEAD SULFATE	4 F8 F9
1314.87.0		LEAD SULFIDE	4 F8 F9
12065.68.8		LEAD TANTALATE	4 F8 F9
815.84.8		LEAD TARTRATE	4 F8 F9
1314.91.6		LEAD TELLURIDE	4 F8 F9
13845.35.7		LEAD TELLURITE	4 F8 F9
1314.41.6		LEAD TETRAOXIDE	4 F8 F9
592.87.0		LEAD THIOCYANATE	2,4,5 F8 F9
13474.50.7		LEAD THIOSULFATE	4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
13060.00.3		LEAD TITANIUM TRIOXIDE	4 F8 F9
15245.44.0		LEAD TRINITRORESORCINATE	4 F8 F9
1314.27.8		LEAD TRIOXIDE	4 F8 F9
7759.01.5		LEAD TUNGSTEN OXIDE	4 F8 F9
10099.79.3		LEAD VANADATE	4 F8 F9
12060.01.4		LEAD ZIRCONATE	4 F8 F9
21609.90.5		LEPTOPHOS	*E* F6
541.25.3		LEWISITE	*E* F6
1317.65.3	*	LIMESTONE	4
58.89.9		LINDANE	2,3,4,5,7,8 *E*C* F6 F8 F9
8006.14.2	*	LIQUIFIED NATURAL GAS	5,6
68476.85.7		LIQUIFIED PETROLEUM GAS (L.P.G.)	2,4
7439.93.2		LITHIUM	5
554.13.2		LITHIUM CARBONATE	*T2*
14307.35.8		LITHIUM CHROMATE	2,4 F8 F9
13843.81.7		LITHIUM DICHROMATE	2,4,5 F8 F9
7580.67.8		LITHIUM HYDRIDE	2,4,5 *E* F6
16853.85.3		LITHIUM TETRAHYDROALUMINATE	5
97.36.9		M-ACETOACET XYLIDIDE	6
546.93.0		MAGNESITE DUST	4 F5
7439.95.4		MAGNESIUM	5
13423.61.5		MAGNESIUM CHROMATE	2,4 F8 F9
14104.85.9		MAGNESIUM DICHROMATE	2,4,5 F8 F9
10377.60.3		MAGNESIUM NITRATE	5
1309.48.4		MAGNESIUM OXIDE FUME	2,4
10034.81.8		MAGNESIUM PERCHLORATE	5
12057.74.8		MAGNESIUM PHOSPHIDE	8
121.75.5		MALATHION	2,4 *N* F8
110.16.7		MALEIC ACID	F8
108.31.6		MALEIC ANHYDRIDE	2,4,5,6 F8 F9
109.77.3		MALONONITRILE	F6 *E* F8
12427.38.2		MANEB	F9
7439.96.5		MANGANESE	2,4 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
12079.65.1		MANGANESE CYCLOPENTADIENYL TRICARBONYL	4 F9
1317.35.7		MANGANESE TETROXIDE	4 F9
1317.65.3		MARBLE DUST	4 F5
72.43.5	*	MARLATE	2,4 F8 F9
74.82.8	*	MARSH GAS	4,6
121.73.3		M-CHLORONITROBENZENE	5 F8
102.50.1		M-CRESIDINE	9 *E*C*
108.39.4		M-CRESOL	2,4,5,6 F8 F9
541.73.1	*	M-DICHLOROBENZENE	F7 F8 F9
141.93.5		M-DIETHYL BENZENE	6
108.38.3	*	M-DIMETHYLBENZENE	4,5,6 F7 F8 F9
99.65.0		M-DINITROBENZENE	4 F8
108.57.6	*	M-DIVINYLBENZENE	4,5
68006.83.7	*	MEA ALPHA C	1 *E*C*
51.75.2	*	MECHLORETHAMINE	1,3,7 *E*C*T1* F6 F9
71.58.9		MEDROXYPROGESTERONE ACETATE	1 *E*C*
595.33.5		MEGESTEROL ACETATE	1 *E**C*
108.78.1		MELAMINE	F9
148.82.3		MELPHALAN	1,3,7 *E*C* F8
950.10.7		MEPHOSFOLAN	*E* F6
68.11.1	*	MERCAPTOACETIC ACID	2,4
1600.27.7		MERCURIC ACETATE	2,4 *E* F6 F8 F9
7487.94.7		MERCURIC CHLORIDE	2,4 *E* F6 F8 F9
592.04.1		MERCURIC CYANIDE	2,4,5 F8 F9
10045.94.0		MERCURIC NITRATE	2,4 F8 F9
21908.53.2		MERCURIC OXIDE	2,4 *E* F6 F8 F9
7783.35.9		MERCURIC SULFATE	2,4 F8 F9
592.85.8		MERCURIC THIOCYANATE	2,4 F8 F9
10415.75.5		MERCUROUS NITRATE	2,4 F8 F9
7782.86.7		MERCUROUS NITRATE (MONOHYDRATE)	2,4 F8 F9
7439.97.6		MERCURY	2,4 F8 F9
13465.34.4		MERCURY (I) CHROMATE	2,4 F8 F9
13444.75.2		MERCURY (II) CHROMATE	2,4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
531.76.0		MERPHALAN	1 *E*C*
141.79.7		MESITYL OXIDE	2,4,5,6
108.67.8		MESITYLENE	F7
72.33.3		MESTRANOL	1,3 *E*C*
2032.65.7		MESUROL	8 *E*N* F6 F8
108.62.3		METALDEHYDE	6
10124.56.8		METAPHOSPHORIC ACID, HEXASODIUM SALT	F8
7785.84.4		METAPHOSPHORIC ACID, TRISODIUM SALT	F8
10476.95.6		METHACROLEIN DIACETATE	*E* F6
79.41.4		METHACRYLIC ACID	4,5,6
760.93.0		METHACRYLIC ANHYDRIDE	*E* F6
126.98.7		METHACRYLONITRILE	4,6 *E* F6 F8
920.46.7		METHACRYLOYL CHLORIDE	*E* F6
30674.80.7		METHACRYLOYLOXYETHYL ISOCYANATE	2,4 *E* F6 F8 F9
76.99.3		METHADONE*	T2*
513.42.8		METHALLYL ALCOHOL	6
563.47.3		METHALLYL CHLORIDE	6
10265.92.6		METHAMIDOPHOS	8 *E* *N* F6
521.10.8		METHANDRIOL	*T1*
74.82.8		METHANE	4,6
558.25.8		METHANESULFONYL FLUORIDE	*E* F6
74.93.1	*	METHANETHIOL	2,4,6 *E* F6 F8
67.56.1		METHANOL	2,4,5,6 F8 F9
91.80.5		METHAPYRILENE	7 *E*C* F8
950.37.8		METHIDATHION	8 *E* *N*
2032.65.7	*	METHIOCARB	8 *E* *N* F6 F8
16752.77.5		METHOMYL	4,8 *E* *N* F6 F8
59.05.2		METHOTREXATE	*T1*
72.43.5		METHOXYCHLOR	2,4 F8 F9
72.43.5	*	METHOXY DDT	2,4 F8 F9
151.38.2		METHOXYETHYLMERCURIC ACETATE	2,4 *E* F6 F8 F9
110.43.0		METHYL (N AMYL) KETONE	4
80.63.7		METHYL 2 CHLOROACRYLATE	*E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
137.05.3		METHYL 2-CYANOACRYLATE	2,4 F8 F9
79.20.9		METHYL ACETATE	2,4,5,6
105.45.3		METHYL ACETOACETATE	6
74.99.7	*	METHYL ACETYLENE	2,4,6
N/A		METHYL ACETYLENE PROPADIENE MIXTURE (MAPP)	2,4
96.33.3		METHYL ACRYLATE	2,4,5,6 F9
67.56.1	*	METHYL ALCOHOL	2,4,5,6 F8 F9
108.11.2	*	METHYL AMYL ALCOHOL	2,4,6
121.43.7		METHYL BORATE	6
74.83.9		METHYL BROMIDE	2,4,5,6,8 *E* F6 F8 F9
591.78.6		METHYL BUTYL KETONE	2,4,6
623.42.7		METHYL BUTYRATE	6
N/A		METHYL CARBAMIC ACID	*E* F6
616.38.6		METHYL CARBONATE	6
13909.09.6	*	METHYL CCNU	1 *E*C*
109.86.4		METHYL CELLOSOLVE	2,4,6 *T1* F9
110.49.6	*	METHYL CELLOSOLVE ACETATE	2,4 *T1*
74.87.3		METHYL CHLORIDE	2,4,5,6 F7 F8 F9
96.34.4		METHYL CHLOROACETATE	6
71.55.6	*	METHYL CHLOROFORM	2,4,5,6 F7 F8 F9
79.22.1		METHYL CHLOROFORMATE	*E* F6 F8
107.30.2	*	METHYL CHLOROMETHYL ETHER	1,3,4,7 *E*C* F6 F8 F9
8022.00.2		METHYL DEMETON	4
624.92.0		METHYL DISULFIDE	*E* F6
115.10.6		METHYL ETHER	5,6
540.67.0		METHYL ETHYL ETHER	5,6
78.93.3		METHYL ETHYL KETONE (MEK)	2,4,5,6 F8 F9
1338.23.4		METHYL ETHYL KETONE PEROXIDE	2,4,5 F8
107.31.3		METHYL FORMATE	2,4,5,6
86.50.0	*	METHYL GUTHION	2,4,8,9 *E*N* F6 F8
74.88.4		METHYL IODIDE	1,2,3,4,7 *E*C* F8 F9
110.12.3		METHYL ISOAMYL KETONE	4
108.11.2		METHYL ISOBUTYL CARBINOL	2,4,6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
108.10.1		METHYL ISOBUTYL KETONE	2,4,5,6 F8 F9
624.83.9		METHYL ISOCYANATE	2,4,6 *E* F6 F8 F9
814.78.8		METHYL ISOPROPENYL KETONE	6
563.80.4		METHYL ISOPROPYL KETONE	4
556.61.6		METHYL ISOTHIOCYANATE	2,4 *E* F6 F8 F9
74.93.1		METHYL MERCAPTAN	2,4,6 *E* F6 F8
80.62.6		METHYL METHACRYLATE	2,4,5,6 F8 F9
66.27.3		METHYL METHANESULFONATE	1,3,7 *E*C*
66.27.3	*	METHYL METHANESULPHONATE	1,3,7 *E*C*
591.78.6	*	METHYL N BUTYL KETONE	2,4,6
298.00.0		METHYL PARATHION	4,5,8 *E* *N* F6 F8
3735.23.7		METHYL PHENKAPTON	*E* F6
676.97.1		METHYL PHOSPHONIC DICHLORIDE	*E* F6
85.71.2		METHYL PHTHALYL ETHER GLYCOLATE	6
554.12.1		METHYL PROPIONATE	6
764.35.2		METHYL PROPYL ACETYLENE	6
107.87.9		METHYL PROPYL KETONE	2,4,6
681.84.5		METHYL SILICATE	4
1634.04.4		METHYL TERT BUTYL ETHER	F9
556.64.9		METHYL THIOCYANATE	2,4 *E* F6 F8 F9
80.48.8		METHYL TOLUENE SULFONATE	6
78.94.4		METHYL VINYL KETONE	5,6 *E* F6
109.87.5		METHYLAL	2,4,6
12263.85.3		METHYLALUMINUM SESQUIBROMIDE	6
12542.85.7		METHYLALUMINUM SESQUICHLORIDE	6
74.89.5		METHYLAMINE	2,4,5,6 F8
590.96.5		METHYLAZOXYMETHANOL	1 *E*C*
592.62.1		METHYLAZOXYMETHANOL ACETATE	1 *E*C*
108.88.3	*	METHYLBENZENE	2,4,5,6 F7 F8 F9
108.87.2		METHYLCYCLOHEXANE	2,4,6
25639.42.3		METHYLCYCLOHEXANOL	2,4
12108.13.3		METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL	4 *E* F6 F9
96.37.7		METHYLCYCLOPENTANE	5,6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
75.54.7		METHYLDICHLOROSILANE	5,6
5124.30.1		METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)	2,4 F8 F9
101.68.8		METHYLENE BISPHENYL ISOCYANATE (MDI)	2,4 F8 F9
75.09.2		METHYLENE CHLORIDE	1,2,3,4,5,6 *E*C*F7 F8 F9
101.77.9	*	METHYLENEDIANILINE	1,3,4,6 *E*C* F9
60.34.4		METHYLHYDRAZINE	2,4,5,6 *E* F6 F8 F9
60 34.4	*	METHYLHYDRAZINE (MONO)	2,4,5,6 *E* F6 F8 F9
108.11.2		METHYLISOBUTYL CARBINOL	2,4,6
502.39.6		METHYLMERCURIC DICYANAMIDE	2,4 *E* F6 F8 F9
22967.92.6		METHYLMERCURY	2,4 *T1*
557.17.5		METHYL N PROPYL ETHER	6
73513.30.1		METHYLPENTALDEHYDE	6
96.54.8		METHYLPYRROLE	6
120.94.5		METHYLPYRROLIDINE	6
25013.15.4	*	METHYLSTYRENE	2,4,5,6
58.18.4		METHYLTESTOSTERONE	*T1*
56.04.2		METHYLTHIOURACIL	1,7 *E*C* F8
75.79.6		METHYLTRICHLOROSILANE	5,6 *E* F6
1129.41.5		METOLCARB	*E*F6
21087.64.9		METRIBUZIN	4,8
443.48.1		METRONIDAZOLE	1,3 *E*C*T2*
7786.34.7		MEVINPHOS	2,4,8 *E*N* F6 F8
315.18.4		MEXACARBATE	*E* F6 F8
12001.26.2		MICA DUST	2,4
90.94.8		MICHLER'S KETONE	3,9 *E*C* F9
137.30.4		MILBAN	8 *N*
64741.49.7		MINERAL OIL, PETROLEUM CONDENSATES, VACUUM TOWER	1 *E*C*
64742.18.3		MINERAL OIL, PETROLEUM DISTILLATES, ACID TREATED HEAVY NAPHTHENIC	1 *E*C*
64742.20.7		MINERAL OIL, PETROLEUM DISTILLATES, ACID TREATED HEAVY PARAFFINIC	1 *E*C*
64742.19.4		MINERAL OIL, PETROLEUM DISTILLATES, ACID TREATED LIGHT NAPHTHENIC	1 *E*C*
64742.21.8		MINERAL OIL, PETROLEUM DISTILLATES, ACID TREATED LIGHT PARAFFINIC	1 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.	Name	References
64741.53.3	MINERAL OIL, PETROLEUM DISTILLATES, HEAVY NAPHTHENIC	1 *E*C*
64741.51.1	MINERAL OIL, PETROLEUM DISTILLATES, HEAVY PARAFFINIC	1 *E*C*
64742.53.6	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT NAPHTHENIC	
64742.55.8	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC	1 *E*C*
64741.52.2	MINERAL OIL, PETROLEUM DISTILLATES, LIGHT NAPHTHENIC	1 *E*C*
64741.50.0	MINERAL OIL, PETROLEUM DISTILLATES, LIGHT PARAFFINIC	1 *E*C*
64742.64.9	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT DEWAXED LIGHT NAPHTHENIC	1 *E*C*
64742.56.9	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT DEWAXED LIGHT PARAFFINIC	1 *E*C*
64741.97.5	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT REFINED LIGHT NAPHTHENIC	1 *E*C*
64741.89.5	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT REFINED LIGHT PARAFFINIC	1 *E*C*
64742.11.6	MINERAL OIL, PETROLEUM EXTRACTS, HEAVY NAPHTHENIC DISTILLATE SOLVENT	1 *E*C*
64742.04.7	MINERAL OIL, PETROLEUM EXTRACTS, HEAVY PARAFFINIC DISTILLATE SOLVENT	1 *E*C*
64742.03.6	MINERAL OIL, PETROLEUM EXTRACTS, LIGHT NAPHTHENIC DISTILLATE SOLVENT	1 *E*C*
64742.05.8	MINERAL OIL, PETROLEUM EXTRACTS, LIGHT PARAFFINIC DISTILLATE SOLVENT	1 *E*C*
64742.10.5	MINERAL OIL, PETROLEUM EXTRACTS, RESIDUAL OIL SOLVENT	1 *E*C*
64742.68.3	MINERAL OIL, PETROLEUM NAPHTHENIC OILS, CATALYTIC DEWAXED HEAVY	1 *E*C*
64742.69.4	MINERAL OIL, PETROLEUM NAPHTHENIC OILS, CATALYTIC DEWAXED LIGHT	1 *E*C*
64742.70.7	MINERAL OIL, PETROLEUM PARAFFIN OILS, CATALYTIC DEWAXED HEAVY	1 *E*C*
64742.71.8	MINERAL OIL, PETROLEUM PARAFFIN OILS, CATALYTIC DEWAXED LIGHT	1 *E*C*
64742.17.2	MINERAL OIL, PETROLEUM RESIDUAL OILS, ACID TREATED	1 *E*C*
N/A	MINERAL WOOL FIBER	4
2385.85.5	MIREX	1,3 *E*C*
50.07.7	MITOMYCIN C	1,7 *E*C* F6 F8
554.84.7	M NITROPHENOL	F8
99.08.1	M NITROTOLUENE	2,4,6 F8
7439.98.7	MOLYBDENUM	2,4 F1

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1317.33.5		MOLYBDENUM DISULFIDE	2
1313.27.5		MOLYBDENUM TRIOXIDE	F9
34651.95.1		MONO (TRICHLORO)TETRA(MONO POTASSIUM DICHLORO) PENTA S TRIAZINE TRIONE	5
78.95.5		MONOCHLOROACETONE	4
108.90.7	*	MONOCHLOROBENZENE	2,4,5,6 F7 F8 F9
13057.78.8	*	MONOCHLORO S TRIAZINETRIONE ACID	2,5
315.22.0		MONOCROTALINE	1 *E*C*
6923.22.4		MONOCROTOPHOS	4,8 *E*N* F6
75.04.7	*	MONOETHYLAMINE	2,4,5,6 F8
74.89.5	*	MONOMETHYLAMINE	2,4,5,6 F8
100.61.8	*	MONOMETHYLANILINE	2,4
60.34.4	*	MONOMETHYLHYDRAZINE	2,4,5,6 *E* F6 F8 F9
110.91.8		MORPHOLINE	2,4,5,6
108.45.2		M-PHENYLENE DIAMINE	4
626.17.5		M-PHTHALODINITRILE	2,4
92.06.8		M TERPHENYL	2,4
108.44.1		M TOLUIDINE	4
91.99.6		M-TOLYLDIETHANOLAMINE	6
2763.96.4		MUSCIMOL	*E* F6 F8
505.60.2		MUSTARD GAS	1,3,7 *E*C* F6 F9
57.06.7		MUSTARD OIL	6
1477.55.0	*	MXDA	4
108.38.3		M XYLENE	4,5,6 F7 F8 F9
1477.55.0		M-XYLENE ALPHA,ALPHA'-DIAMINE	4
55.98.1	*	MYLERAN	1,3 *E*C*T1*
702 .03 .4		N-(2 CYANOETHYL)CYCLOHEXYLAMINE	2,4,6 F8 F9
10138 .74 .6		N-(2 HYDROXYETHYL) PROPYLENE DIAMINE	6
2842.38.8		N-(2 HYDROXYETHYL)CYCLOHEXYLAMINE	6
3312.60.5		N-(3 AMINOPROPYL) CYCLOHEXYLAMINE	6
123.00.2		N-(3 AMINOPROPYL) MORPHOLINE	6
531.82.8		N-(4 (5 NITRO 2 FURYL) 2 THIAZOLYL)ACETAMIDE	1 *E*C*
62.44.2	*	N-(4 ETHOXYPHENYL) ACETAMIDE	1,3,7 *E*C* F8
3081.14.9		N,N' BIS(1,4-DIMETHYLPENTYL)-P- PHENYLENEDIAMINE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
494.03.1		N,N-BIS(2-CHLOROETHYL)-2-NAPHTHYLAMINE	1,3,7 *E*C* F8
613.35.4		N,N'-DIACETYL BENZIDINE	1 *E*C*
613.29.6		N,N-DIBUTYLANILINE	6
1212.29.9		N,N'-DICYCLOHEXYLTHIOUREA	9
32280.46.9		N,N-DIETHYL-1,3-BUTANEDIAMINE	6
91.66.7		N,N-DIETHYLANILINE	6
100.37.8		N,N-DIETHYLETHANOLAMINE	2,4,6
100.36.7		N,N-DIETHYLETHYLENEDIAMINE	6
105.55.5		N,N'-DIETHYLTHIOUREA	9 *E*C*
60.11.7	*	N,N-DIMETHYL-4-PHENLAZO BENZENAMINE	1,2,3,7 *E*C* F8 F9
121.69.7	*	N,N-DIMETHYLANILINE	2,4,6 F9
1615.80.1	*	N,N'-DIMETHYLHYDRAZINE	1,7 *E*C*F8
108.16.7		N,N-DIMETHYLISOPROPANOLAMINE	6
75.50.3	*	N,N-DIMETHYLMETHANAMINE	4,5,6 F8
101.96.2		N,N'-DI-SEC-BUTYL-P-PHENYLENEDIAMINE	6
10137.80.1		N-2-(ETHYLHEXYL) ANILINE	6
5432.61.1		N-2-(ETHYLHEXYL)-CYCLOHEXYLAMINE	6
53.96.3	*	N-9H-FLUOREN-2-YL-ACETAMIDE	2,3,7 *E*C* F8 F9
1696.20.4		N-ACETYL MORPHOLINE	6
3771.19.5		NAFENOPIN	1 *E*C*
300.76.5		NALED	2,4 *N* F8
628.63.7		N-AMYL ACETATE	2,4,5,6 F8
8030.30.6	*	NAPHTHA	2,4,6
8030.31.7		NAPHTHA 49 DEGREE BE COAL TAR TYPE	6
8030.30.6		NAPHTHA VM&P	2,4,6
8030.30.6	*	NAPHTHA VM&P 50 DEGREE FLASH	2,4,6
8030.30.6	*	NAPHTHA VM&P HIGH FLASH	2,4,6
8030.30.6	*	NAPHTHA VM&P REGULAR	2,4,6
91.20.3		NAPHTHALENE	2,4,5,6 F7 F8 F9
1338.24.5		NAPHTHENIC ACID	F8
772.54.3		N-BENZYLDIETHYLAMINE	6
1119.49.9		N-BUTYL ACETAMIDE	6
123.86.4	*	N-BUTYL ACETATE	2,4,5,6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
141.32.2	*	N-BUTYL ACRYLATE	4,5,6 F9
71.36.3		N-BUTYL ALCOHOL	2,4,5,6 F8 F9
2426.08.6		N-BUTYL GLYCIDYL ETHER (BGE)	2,4
111.36.4		N-BUTYL ISOCYANATE	2,4,6 F8 F9
138.22.7		N-BUTYL LACTATE	4
91.49.6		N-BUTYLACETANILIDE	6
1126.78.9		N-BUTYLANILINE	6
104.51.8	*	N-BUTYLBENZENE	6 F7
10108.56.2		N-BUTYLCYCLOHEXYLAMINE	6
102.79.4		N-BUTYLDIETHANOLAMINE	6
123.72.8		N-BUTYRALDEHYDE	5,6 F9
22224.92.6	*	NEMACUR	1,2,4,8 *E*C* F6
7440.01.9		NEON	4
100.74.3		N-ETHYL MORPHOLINE	2,4,6
103.69.5		N-ETHYLANILINE	5,6
5459.93.8		N-ETHYLCYCLOHEXYLAMINE	6
139.87.7		N-ETHYLDIETHANOLAMINE	6
759.73.9	*	N-ETHYL-N-NITROSO CARBAMIDE	1,3,7 *E*C* F8 F9
55.18.5	*	N-ETHYL-N-NITROSO-ETHANAMINE	1,3,7 *E*C* F8 F9
110.54.3	*	N-HEXANE	2,4,5,6
72.25.1		N-METHYL.NITRO-N-NITROSGUANIDINE	1,3,7 *E*C* F8
563.12.2	*	NIALATE	2,4,8 *E* *N* F6 F8
7440.02.0		NICKEL	1,2,3,4,5,7 *E*C* F1 F8 F9
373.02.4		NICKEL ACETATE	3 *E*C*
15699.18.0		NICKEL AMMONIUM SULFATE	2,4 F8 F9
3333.67.3		NICKEL CARBONATE	1,2,3,4 *E*C* F8 F9
13463.39.3		NICKEL CARBONYL	1,2,3,4,5,6 *E*C* F6 F8 F9
7440.02.0	*	NICKEL CATALYST	1,2,3,4,5,7 *E*C* F1 F8 F9
37211.05.5		NICKEL CHLORIDE	F8
7718.54.9		NICKEL CHLORIDE	2,4 F8 F9
557.19.7		NICKEL CYANIDE	2,4 F8 F9
12054.48.7		NICKEL HYDROXIDE	1,2,3,4 *E*C* F8 F9
12125.56.3		NICKEL HYDROXIDE	3 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
13138.45.9	*	NICKEL NITRATE	2,4,5 F8 F9
14216.75.2	*	NICKEL NITRATE	2,4 F8 F9
1313.99.1		NICKEL OXIDE	1,2,3,4 *E*C* F8 F9
12035.72.2		NICKEL SUBSULPHIDE	1,2,3,4 *E*C* F8 F9
7786.81.4		NICKEL SULFATE	2,4 F8 F9
1271.28.9		NICKELOCENE	1,2,3,4 *E*C* F8 F9
54.11.5		NICOTINE	2,4,6,8 *E* F6 F8
54.11.5	*	NICOTINE (ALKALOID)	2,4,6,8 *E* F6 F8
65.30.5		NICOTINE SULFATE	*E* F6
61.57.4		NIRIDAZOLE	1 *E*C*
768.52.5		N-ISOPROPYLANILINE	4
139.94.6		NITHIAZIDE	9 *E*C*
1929.82.4		NITRAPYRIN	4
7697.37.2		NITRIC ACID	2,4,5 *E* F6 F8 F9
10099.74.8		NITRIC ACID, LEAD (2+) SALT	5 F8 F9
13138.45.9		NITRIC ACID, NICKEL (2+) SALT	2,4,5 F8 F9
14216.75.2		NITRIC ACID, NICKEL SALT	2,4 F8 F9
10102.43.9		NITRIC OXIDE	2,4 *E*F6 F8
139.13.9		NITRILOTRIACETIC ACID (NTA)	3,9 *E*C* F9
5064.31.3		NITRILOTRIACETIC ACID (NTA) TRISODIUM	3,4 *E*C*
98.95.3		NITROBENZENE	2,4,5,6 *E* F6 F8 F9
28984.85.2		NITROBIPHENYL	6
25167.93.5		NITROCHLOROBENZENE	6 F8
1122.60.7		NITROCYCLOHEXANE	6 *E* F6
79.24.3		NITROETHANE	2,4,5,6
1836.75.5		NITROFEN	3,9 *E*C* F9
7727.37.9		NITROGEN	4
7727.37.9		NITROGEN (LIQUIFIED)	5
10102.44.0		NITROGEN DIOXIDE	2,4,5 *E* F6 F8
51.75.2		NITROGEN MUSTARD	1,3,7 *E*C*T1* F6 F9
55.86.7		NITROGEN MUSTARD HYDROCHLORIDE	3,7 *E*C*
126.85.2		NITROGEN MUSTARD N OXIDE	1,7 *E*C*
302.70.5		NITROGEN MUSTARD N OXIDE HYDROCHLORIDE	7 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
10102.44.0	*	NITROGEN PEROXIDE	2,4,5 *E* F6 F8
10544.72.6		NITROGEN TETROXIDE	5 F8
7783.54.2		NITROGEN TRIFLUORIDE	2,4
10544.73.7		NITROGEN TRIOXIDE	5
55.63.0		NITROGLYCERIN	2,4,6 F8 F9
55.63.0	*	NITROGLYCERINE	2,4,6 F8 F9
75.52.5		NITROMETHANE	2,4,5,6
25154.55.6		NITROPHENOL (MIXED)	F8
62.75.9	*	NITROSODIMETHYLAMINE	1,3,4,7 *E*C* F6 F8 F9
1321.12.6		NITROTOLUENE	F8
99 08.1	*	NITROTOLUENE	2,4,6 F8
76.06.2	*	NITROTRICHLOROMETHANE	2,4,5 8 F8
13826.65.8		NITROUS ACID, LEAD (2+) SALT	4 F8 F9
10028.97.2		NITROUS OXIDE	4
100.61.8	*	N-METHYL ANILINE	2,4
110.68.9		N-METHYLBUTYLAMINE	6
109.83.1		N-METHYLETHANOLAMINE	6
70.25.7		N-METHYL-N' NITRO-N-NITROGUANIDINE	1,3,7 *E*C* F8
1116.54.7		N-NITROSODIETHANOLAMINE	1,3,7 *E*C* F8
55.18.5		N-NITROSODIETHYLAMINE	1,3,7 *E*C* F8 F9
62.75.9		N-NITROSODIMETHYLAMINE	1,3,4,7 *E*C* F6 F8 F9
924.16.3		N-NITROSODI-N-BUTYLAMINE	1,3,7 *E*C* F8 F9
621.64.7		N-NITROSODI-N-PROPYLAMINE	1,3,7 *E*C* F8 F9
86.30.6		N-NITROSODIPHENYLAMINE	7 *E*C* F8 F9
10595.95.6		N-NITROSOMETHYLETHYLAMINE	1,7 *E*C* F8
4549.40.0		N-NITROSOMETHYLVINYLAMINE	1,3,7 *E*C* F8 F9
59.89.2		N-NITROSOMORPHOLINE	1,3,7 *E*C* F9
759.73.9		N-NITROSO-N-ETHYLUREA	1,3,7 *E*C* F8 F9
70.25.7	*	N-NITROSO-N-METHYL-N'-NITROGUANIDINE	1 3,7 *E*C* F8
684.93.5		N-NITROSO-N-METHYLUREA	3 *E*C*
684.93.5		N-NITROSO-N-METHYLUREA CARBAMIDE	1,3,7 *E*C* F8 F9
615.53.2		N-NITROSO-N-METHYLURETHANE	1,7 *E*C* F8
16543.55.8		N-NITROSONORNICOTINE	1,3,7 *E*C* F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
80508.23.2		N'-NITROSONORNICOTINE	1 *E*C*
100.75.4		N-NITROSOPIPERIDINE	1,3,7 *E*C* F8 F9
930.55.2		N-NITROSPYRROLIDINE	1,3,7 *E*C* F8
13256.22.9		N-NITROSOSARCOSINE	1,3,7 *E*C*
64091.91.4	*	NNK	3 *E*C*
111.84.2		NONANE	4,6
27215.95.8		NONENE	6
25154.52.3		NONYLPHENOL	6
5283.67.0		NONYLTRICHLOROSILANE	
991.42.4		NORBORMIDE	*E* F6
68.22.4		NORETHISTERONE	1,3 *E*C*T2*
135.88.6		N-PHENYL-BETA-NAPHTHYLAMINE	4
122.98.5		N-PHENYLETHANOLAMINE	5,6
92.50.2		N-PHENYL-N-ETHYLETHANOLAMINE	6
109.60.4		N-PROPYL ACETATE	2,4,5,6
106.94.5		N-PROPYL BROMIDE	6
105.66.8		N-PROPYL BUTYRATE	6
111.43.3		N-PROPYL ETHER	6
627.13.4	*	N-PROPYL NITRATE	2,4,5,6
103.65.1	*	N-PROPYLBENZENE	6 F7
1929.82.4	*	N-SERVE	2,4
18662.53.8		NTA TRISODIUM SALT H2O	9 *E*C*
26419.73.8	*	O-(((2,4-DIMETHYL-1,3-DITHIOLAN-2-YL)METHYLENE) AMINO)	
3288.58.2		O,O-DIETHYL-S-METHYL-DITHIOPHOSPHATE	F8
N/A		O,O-DIMETHYL-S-(2-(METHYLTHIO)ETHYL) ESTER	*E* F6
92.15.9		O-ACETOACETANISIDIDE	6
97.56.3		O-AMINOAZOTOLUENE	1 *E*C* F9
136.81.2		O-AMYL PHENOL	6
90.04.0		O-ANISIDINE	F9
134.29.2		O-ANISIDINE HYDROCHLORIDE	3 9 *E*C* F9
95.46.5		O-BROMOTOLUENE	6
88.16.4		O-CHLOROBENZOTRIFLUORIDE	6
2698.41.1		O-CHLOROBENZYLIDENE MALONONITRILE (OCBM)	2,4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
88.73.3		O-CHLORONITROBENZENE	5 F8
95.57.8		O-CHLOROPHENOL	6 F8 F9
2039.87.4		O-CHLOROSTYRENE	4
95.49.8		O-CHLOROTOLUENE	4F7
303.47.9		OCHRATOXIN A	3 *E*C*
95.48.7		O-CRESOL	2,4,5,6 *E* F6 F8 F9
27858.07.7		OCTABROMOBIPHENYL	1 *E*C*
2234.13.1		OCTACHLORONAPHTHALENE	2,4 F8 F9
112.04.9		OCTADECYLTRICHLOROSILANE	6
111.65.9		OCTANE	2,4,5,6
111.86.4		OCTYLAMINE	6
119.42.6		O-CYCLOHEXYLPHENOL	6
95.50.1		O-DICHLOROBENZENE	2,4,5,6 F7 F8 F9
135.01.3		O-DIETHYL BENZENE	6
95.47.6	*	O-DIMETHYLBENZENE	4,5,6 F7 F8 F9
528.29.0		O-DINITROBENZENE	2,4,5,6 F8
50.28.2		OESTRADIOL 17B	1,3 *E*C*
53.16.7		OESTRONE	1,3 *E*C*
8012.95.1		OIL MIST, MINERAL	2,4
2646.17.5		OIL ORANGE SS	1 *E*C*
643.28.7		O-ISOPROPYLANILINE	1,3,7 *E*C*
135.02.4		O-METHOXYBENZALDEHYDE	6
95.53.4	*	O-METHYLANILINE	1,2,3,4,5,6 *E*C* F8 F9
583.60.8	*	O-METHYLCYCLOHEXANONE	2,4
88.75.5		O-NITROPHENOL	F8 F9
88.72.2		O-NITROTOLUENE	6 F8
94.70.2		O-PHENETIDINE	6
95.54.5		O-PHENYLENE DIAMINE	4
N/A		ORGANO(ALKYL)MERCURY	2,4 F8 F9
N/A		ORGANORHODIUM COMPLEX	*E* F6
65.86.1		OROTIC ACID	
119.90.4	*	ORTHO DIANISIDINE	1,3,7 *E*C* F8 F9
89.72.5		O-SEC BUTYLPHENOL	4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
20816.12.0		OSMIUM TETROXIDE	2,4 F8 F9
84.15.1		O-TERPHENYL	2,4
119.93.7	*	O-TOLIDINE	1,3,4,7 *E*C* F8 F9
95.53.4		O-TOLUIDINE	1,2,3,4,5,6 *E*C* F8 F9
636.21.5		O-TOLUIDINE HYDROCHLORIDE	3,7 9 *E*C* F8 F9
630.60.4		OUABAIN	*E* F6
144.62.7		OXALIC ACID	2,4,5
23135.22.0		OXAMYL	8 *E* F6
78.71.7		OXETANE,3,3-BIS(CHLOROMETHYL)	*E* F6
301.12.2		OXYDEMOTON METHYL	8
2497.07.6		OXYDISULFOTON	*E* F6
7782.44.7		OXYGEN (LIQUID)	5
7783.41.7		OXYGEN DIFLUORIDE	2,4
95.47.6		O-XYLENE	4,5,6 F7 F8 F9
87.62.7		O-XYLIDINE	6 F9
434.07.1		OXYMETHOLONE	1,3 *E*C*
10028.15.6		OZONE	2,4 *E* F6
72.55.9		P,P-DDE	9 *E*C* F8
72.56.0		P,P'-ETHYL/DDD(PERTHANE)	9 F8
62.44.2	*	P-ACETOPHENETIDIDE	1,3,7 *E*C* F8
103.89.9		P-ACETOTOLUIDIDE	6
794.93.4		PANFURAN S	1 *E*C*
104.94.9		P-ANISIDINE	2 4 F9
20265.97.8		P-ANISIDINE HYDROCHLORIDE	9
87.60.5		PARA-CHLORO-ORTHO-TOLUIDINE	1 *E*C*
8002.74.2		PARAFFIN WAX FUME	4
110.88.3	*	PARAFORMALDEHYDE	5,6
30525.89.4		PARAFORMALDEHYDE (POLYMER)	5,6 F8
123.63.7		PARALDEHYDE	5,6 F8
115.67.3		PARAMETHADIONE	*T1*
1910.42.5	*	PARAQUAT	2,4,8 *E* F6
4685.14.7		PARAQUAT	2,4
2074.50.2		PARAQUAT BIS(METHYL SULFATE)	4,8 *E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1910.42.5		PARAQUAT DICHLORIDE	2,4,8 *E* F6
2074.50.2	*	PARAQUAT METHOSULFATE	4,8 *E* F6
56.38.2		PARATHION	2,4,5,8,9 *E*N* F6 F8 F9
12002.03.8		PARIS GREEN	*E* F6 F8
106.51.4	*	P-BENZOQUINONE	2,4 F8 F9
106.38.7		P-BROMOTOLUENE	6
106.47.8		P-CHLOROANILINE	9 F8
104.88.1		P-CHLOROBENZALDEHYDE	6
106.48.9		P-CHLOROPHENOL	6 F8 F9
106.43.4		P-CHLOROTOLUENE	F7
120.71.8		P-CRESIDINE	1,3,9 *E*C* F9
106.44.5		P-CRESOL	2,4,5,6 F8 F9
99.87.6		P-CYMENE	6 F7
106.46.7		P-DICHLOROBENZENE	2, 3,4,6 *E*C* F7 F8 F9
105.05.5		P-DIETHYL BENZENE	6
106.42.3	*	P-DIMETHYBENZENE	4,5,6 F7 F8 F9
60.11.7		P-DIMETHYLAMINOAZOBENZENE	1,3,7 *E*C* F8 F9
100.25.4		P-DINITROBENZENE	4 F8
123.91.1	*	P-DIOXANE	1,2,3,4,5,6,7,9 *E*C* F8 F9
106.46.7	*	P-DICHLOROBENZEN	1,2,3,4,6 *E*C* F7 F8 F9
19624.22.7		PENTABORANE	2,4,6 *E* F6
608.93.5		PENTACHLOROBENZENE	F8
76.01.7		PENTACHLOROETHANE	F8
1321.64.8		PENTACHLORONAPHTHALENE	2,4 F8
82.68.8		PENTACHLORONITROBENZENE	2,4,7 *E*C* F8 F9
87.86.5		PENTACHLOROPHENOL	2,4,5,8 F8 F9
10026.13.8	*	PENTACHLOROPHOSPHORANE	2,4 *E* F6
2570.26.5		PENTADECYLAMINE	*E* F6
115.77.5		PENTAERYTHRITOL	4
142.68.7		PENTAMETHYLENE OXIDE	6
109.66.0		PENTANE	2,4,5,6
109.52.4		PENTANOIC ACID	6
80.46.6		PENTAPHEN	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
628.63.7	*	PENTYL ACETATE	2,4,5,6 F8
79.21.0	*	PERACETIC ACID	5,6 *E* F6 F9
7601.90.3		PERCHLORIC ACID	5
127.18.4	*	PERCHLOROETHYLENE	2,4,5,6,7,9 *E*C* F7 F8 F9
594.42.3		PERCHLOROMETHYL MERCAPTAN	2,4 *E* F6 F8
7616.94.6		PERCHLORYL FLUORIDE	2,4
382.21.8		PERFLUOROISOBUTYLENE	4
N/A		PERLITE	4 F5
52645.53.1		PERMETHRIN	8
79.21.0		PEROXYACETIC ACID	5,6 *E* F6 F9
123.07.9		P-ETHYLPHENOL	6
8002.05.9		PETROLEUM CRUDE	5,6
8030 .30 .6	*	PETROLEUM DISTILLATES	2,4,6
8030 .30 .6	*	PETROLEUM ETHER	2,4,6
62 .44 .2		PHENACETIN	1,3,7 *E*C* F8
532 .27 .4	*	PHENACYLCHLORIDE	2,4 F9
85.01.8		PHENANTHRENE	F8
58.36.6		PHENARSAZINE OXIDE	*E* F6
94.78.0		PHENAZOPYRIDINE	1 *E*C*
136.40.3		PHENAZOPYRIDINE HYDROCHLORIDE	1,3,9 *E*C*
3546.10.9		PHENESTERIN	9 *E*C*
50.06.6		PHENOBARBITAL	*T2*
108.95.2		PHENOL	2,4,5,6 *E* F6 F8 F9
64.00.6		PHENOL, 3-(1 METHYLETHYL)-,METHYLCARBAMATE	*E* F6
97.18.7		PHENOL,2,2'-THIOBIS(4,6-DICHLORO-	*E* F6 F8 F9
4418.66.0		PHENOL,2,2'-THIOBIS(4-CHLORO-6-METHYL)	*E*F6
92.84.2		PHENOTHIAZINE	4
59.96.1		PHENOXYBENZAMINE	1 *E*C*
63.92.3		PHENOXYBENZAMINE HYDROCHLORIDE	1,3,9 *E*C*
696.28.6	*	PHENYL DICHLOROARSINE	*E* F1 F8
101.84.8		PHENYL ETHER VAPOR	2,4
8004.13.5		PHENYL ETHER BIPHENYL MIXTURE VAPOR	2
122.60.1		PHENYL GLYCIDYL ETHER (PGE)	2,4

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
108.98.5		PHENYL MERCAPTAN	4 *E* F6 F8
122.98.5	*	PHENYLETHANOLAMINE	5,6
100.42.5	*	PHENYLETHYLENE	1,2,4,5,6,9 F7 F8 F9
100.63.0		PHENYLHYDRAZINE	2,4,6
59.88.1		PHENYLHYDRAZINE HYDROCHLORIDE	*E* F6
62.38.4		PHENYLMERCURIC ACETATE	2,4,5 *E* F6 F8 F9
62.38.4	*	PHENYLMERCURY ACETATE	2,4,5 *E* F6 F8 F9
93.90.3		PHENYLMETHYL ETHANOL AMINE	6
638.21.1		PHENYLPHOSPHINE	4
2097.19.0		PHENYLSILATRANE	*E* F6
103.85.5		PHENYLTHIOUREA	*E* F6 F8
98.13.5		PHENYLTRICHLOROSILANE	6 *E* F6
57.41.0		PHENYTOIN	1,3 *E*C*T1*
298.02.2		PHORATE	4,8 *E* *N* F6 F8
504.20.1		PHORONE	6
4104.14.7		PHOSACETIM	8 *E* F6
7786.34.7	*	PHOSDRIN	2,4,8 *E* *N* F6 F8
947.02.4		PHOSFOLAN	*E* F6
75.44.5		PHOSGENE	2,4,5 *E* F6 F8 F9
732.11.6		PHOSMET	*E* F6
13171.21.6		PHOSPHAMIDON	8,9 *E* F6
7803.51.2		PHOSPHINE	2,4,6 *E* F6 F8
2665.30.7		PHOSPHONOTHIOIC ACID,METHYL-,O-(4-NITROPHENYL)O-PHENYL) ESTER	*E*F6
7664.38.2		PHOSPHORIC ACID	2,4,5 F8 F9
10101.89.0		PHOSPHORIC ACID TRISODIUM SALT, DODECAHYDRATE	F8
7558.79.4		PHOSPHORIC ACID, DISODIUM SALT	F8
10039.32.4		PHOSPHORIC ACID, DISODIUM SALT, DECAHYDRATE	F8
10140.65.5		PHOSPHORIC ACID, DISODIUM SALT, HYDRATE	F8
3254.63.5		PHOSPHORIC ACID,DIMETHYL 4-(METHYLTHIO) PHENYL ESTER	*E* F6
2587.90.8		PHOSPHOROTHIOIC ACID	
2703.13.1		PHOSPHOROTHIOIC ACID,METHYL-,O-ETHYL-O-(4-(METHYLTHIO)PHENYL)	
50782.69.9		PHOSPHOROTHIOIC ACID,METHYL-,S-(2-(BIS(1-METHYLETHYL)AMINO)ETHYL)O-ETHYL ESTER	*E* F6
7719.12.2	*	PHOSPHOROUS TRICHLORIDE	2,4,5 *E* F6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
7723.14.0	*	PHOSPHORUS (WHITE)	2,4,5 *E* F6 F8 F9
7723.14.0		PHOSPHORUS (YELLOW)	2,4,5 *E* F6 F8 F9
10025.87.3		PHOSPHORUS OXYCHLORIDE	4,5 *E* F6 F8
10026.13.8		PHOSPHORUS PENTACHLORIDE	2,4 *E* F6
1314.80.3		PHOSPHORUS PENTASULFIDE	2,4,5 F8
1314.56.3		PHOSPHORUS PENTOXIDE	*E* F6
1314.85.8		PHOSPHORUS SESQUISULFIDE	5
1314.80.3	*	PHOSPHORUS SULFIDE	2,4,5 F8
7719.12.2		PHOSPHORUS TRICHLORIDE	2,4,5 *E* F6 F8
10025.87.3	*	PHOSPHORYL CHLORIDE	4,5 *E* F6 F8
85.44.9		PHTHALIC ANHYDRIDE	2,4,5,6 F8 F9
84.80.0		PHYLLUQUINONE (VITAMIN K1)	
57.47.6		PHYSOSTIGMINE	*E* F6
57.64.7		PHYSOSTIGMINE,SALICYLATE	*E* F6
1918.02.1		PICLORAM	4,8,9
88.89.1		PICRIC ACID	2,4,5 F8 F9
124.87.8		PICROTOXIN	*E* F6
83.26.1	*	PINDONE	2,4
110.85.0		PIPERAZINE	6
142.64.3		PIPERAZINE DIHYDROCHLORIDE	4
110.89.4		PIPERIDINE	6 *E* F6
120.62.7		PIPERONYL SULFOXIDE	9 *E*C*
5281.13.0		PIPROTAL	*E* F6
23505.41.1		PIRIMIFOS ETHYL	*E* F6
99.87.6	*	P ISOPROPYLTOLUENE	6 F7
83.26.1		PIVAL	2,4
1955.45.9		PIVALOLACTONE	9 *E*C*
7778.18.9	*	PLASTER OF PARIS	4
10025.65.7		PLATINOUS CHLORIDE	
7440.06.4		PLATINUM	2,4 F1
13454.96.1		PLATINUM TETRACHLORIDE	
13121.70.5	*	PLICTRAN	4
100.01.6		P NITROANILINE	2,4,5,6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
98.95.3	*	P-NITROBENZENE	2,4,5,6 *E* F6 F8 F9
100.00.5		P-NITROCHLOROBENZENE	2,4,6 F8
100.02.7		P-NITROPHENOL	5 F8 F9
156.10.5		P-NITROSODIPHENYLAMINE	3,9 *E*C* F8 F9
99.99.0		P-NITROTOLUENE	5,6 F8
53467.11.1		POLY[OXY(METHYL-1,2-ETHANEDIYL)],A-[(2,4-DICHLOROPHENOXY) ACETYL]-W-BUTOXY	F8
59536.65.1		POLYBROMINATED BIPHENYLS (PBB'S)	3
1336.36.3		POLYCHLORINATED BIPHENYLS (PCB'S)	1,3,7 *E*C*T1* F8 F9
3564.09.8		PONCEAU 3R	1 *E*C*
3761.53.3		PONCEAU MX	1 *E*C* F9
65997.15.1		PORTLAND CEMENT	4
7440.09.7		POTASSIUM	5
7784.41.0		POTASSIUM ARSENATE	F8
10124.50.2		POTASSIUM ARSENITE	*E* F6 F8
7758.01.2		POTASSIUM BROMATE	1,5 *E*C*
3811.04.9		POTASSIUM CHLORATE	5
7789.00.6		POTASSIUM CHROMATE	2,4 F8 F9
151.50.8		POTASSIUM CYANIDE	2,4,5 *E* F6 F8 F9
2244.21.5		POTASSIUM DICHLORO S TRIAZINETRIONE	5
7778.50.9		POTASSIUM DICHROMATE	2,4,5 F8 F9
1310.58.3		POTASSIUM HYDROXIDE	4,5 F8
7757.79.1		POTASSIUM NITRATE	5
7778.73.6		POTASSIUM PENTACHLOROPHENATE	8
7778.74.7		POTASSIUM PERCHLORATE	5
7722.64.7		POTASSIUM PERMANGANATE	5 F8
17014.71.0		POTASSIUM PEROXIDE	5
7727.21.1		POTASSIUM PERSULFATE	5
506.61.6		POTASSIUM SILVER CYANIDE	2,4 *E* F6 F8 F9
12142.33.5		POTASSIUM STANNATE	2
1312.73.8		POTASSIUM SULFIDE	5
53535.27.6		POTASSIUM TETRACHLOROPHENATE	8
140.89.6		POTASSIUM XANTHATE	6
156.43.4		P PHENETIDINE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
106.50.3		P-PHENYLENE DIAMINE	2,4 F9
105.11.3		P-QUINONE DIOXIME	9 *E*C*
N/A		PRECIPITATED SILICA	4
671.16.9		PROCARBAZINE	1,3,9 *E*C*T1*
366.70.1		PROCARBAZINE HYDROCHLORIDE	1,3,9 *E*C*T1*
952.23.8		PROFLAVINE	9
57.83.0		PROGESTERONE	1,3 *E*C*
2631.37.0		PROMECARB	*E* F6
23950.58.5		PRONAMIDE	7,8 *E*C* F8
123.38.6	*	PROPANAL	5,6 F9
74.98.6		PROPANE	2,4,5,6
1120.71.4	*	PROPANE SULTONE	1,3,4,7 *E*C* F8 F9
71.23.8	*	PROPANOL	2,4,6
2312.35.8		PROPARGITE	F8
107.19.7		PROPARGYL ALCOHOL	4,6 F8
106.96.7	*	PROPARGYL BROMIDE	5,6 *E* F6
115.07.1	*	PROPENE	4,5,6 F9
928.55.2		PROPENYL ETHYL ETHER	6
31218.83.4		PROPETAMPHOS	8 *N*
123.38.6		PROPIONALDEHYDE	5,6 F9
79.09.4		PROPIONIC ACID	4,5,6 F8
93.72.1		PROPIONIC ACID,2-(2,4,5-TRICHLOROPHENOXY)-	F8
123.62.6		PROPIONIC ANHYDRIDE	5,6 F8
107.12.0		PROPIONIC NITRILE	6,7 *E*C* F6 F8
107.12.0	*	PROPIONITRILE	6,7 *E*C* F6 F8
542.76.7		PROPIONITRILE, 3-CHLORO	*E* F6 F8
79.03.8		PROPIONYL CHLORIDE	6
114.26.1	*	PROPOXUR	2,4 *N* F9
109.60.4	*	PROPYL ACETATE	2,4,5,6
71.23.8		PROPYL ALCOHOL	2,4,6
540.54.5		PROPYL CHLORIDE	6
109.61.5		PROPYL CHLOROFORMATE	*E* F6
13889.92.4		PROPYL CHLOROTHIOFORMATE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
110.74.7		PROPYL FORMATE	6
107.03.9		PROPYL MERCAPTAN	
627.13.4	*	PROPYL NITRATE	2,4,5,6
106.36.5		PROPYL PROPIONATE	6
107.10.8		PROPYLAMINE	5,6 F8
103.65.1		PROPYLBENZENE	6 F7
115.07.1		PROPYLENE (PROPENE)	4,5,6 F9
78.87.5		PROPYLENE DICHLORIDE	2,4,5,6 F7 F8 F9
6423.43.4		PROPYLENE GLYCOL DINITRATE	4
107.98.2		PROPYLENE GLYCOL METHYL ETHER	4,6 F8
107.98.2	*	PROPYLENE GLYCOL MONOMETHYL ETHER	4,6 F8
1331.17.5		PROPYLENE GLYCOL, ALLYL ETHER	
75.55.8		PROPYLENE IMINE	1,2,3,4 *E*C*F6 F8 F9
75.56.9		PROPYLENE OXIDE	1,2,4,5,6 *E*C* F6 F8 F9
78.90.0		PROPYLENEDIAMINE	6
51.52.5		PROPYLTHIOURACIL	1,3,7 *E*C*T2*
141.57.1		PROPYLTRICHLOROSILANE	5,6
74.99.7		PROPYNE	2,4,6
2275.18.5		PROTHOATE	*E* F6
95.63.6		PSEUDOCUMENE	F7 F9
92.94.4		P-TERPHENYLS	2,4
2049.92.5		P-TERT AMYLANILINE	6
98.27.1		P-TERT BUTYL-O-CRESOL	6
98.51.1		P-TERT BUTYLTOLUENE	2,4
104.15.4		P-TOLUENESULFONIC ACID	6
106.49.0		P-TOLUIDINE	4,5,6 F8
106.42.3		P-XYLENE	4,5,6 F7 F8 F9
129.00.0		PYRENE	*E* F6 F8
121.21.1		PYRETHRIN I	4 F8
121.29.9		PYRETHRIN II	4 F8
8003.34.7		PYRETHRUM	2,4 F8
110.86.1		PYRIDINE	2,4,5,6 F8 F9
140.76.1		PYRIDINE,2-METHYL-5-VINYL	*E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
504.24.5	*	PYRIDINE,4-AMINO	8 *E* F6 F8
1124.33.0		PYRIDINE,4 NITRO,1 OXIDE	*E* F6
53558.25.1		PYRIMINIL	*E* F6
109.97.7		PYRROLE	6
123.75.1		PYRROLIDINE	6
14808.60.7		QUARTZ	1,2,4 *E*C* F5
130.95.0		QUININE	*T2*
91.22.5		QUINOLINE	6 F8 F9
106.51.4		QUINONE	2,4 F8 F9
121.82.4	*	RDX	4
50.55.5		RESERPINE	3,7,9 *E*C* F8
108.46.3		RESORCINOL	4 F8
4759.48.2		RETINOIC ACID	*T1*
7440.16.6		RHODIUM	2,4 F1
10049.07.7		RHODIUM TRICHLORIDE	
299.84.3		RONNEL	2,4 *N*
83.79.4		ROTENONE (COMMERCIAL)	2,4
N/A		ROUGE DUST	2,4
8030.30.6	*	RUBBER SOLVENT (NAPHTHA)	2,4,6
13446.72.5		RUBIDIUM CHROMATE	2,4 F8 F9
13446.73.6		RUBIDIUM DICHROMATE	2,4 F8 F9
81.07.2		SACCHARIN	3,7 *E*C* F8 F9
94.59.7		SAFROLE	1,3,7 *E*C* F8 F9
14167.18.1		SALCOMINE	*E* F6
107.44.8		SARIN	*E* F6
152.16.9		SCHRADAN	*E* F6 F8
626.38.0		SEC-AMYL ACETATE	2,4,6 F8
6032.29.7	*	SEC AMYL ALCOHOL	5,6
625.30.9		SEC AMYLAMINE	6
105.46.4		SEC BUTYL ACETATE	2,4,6 F8
78.92.2		SEC BUTYL ALCOHOL	2,4,5,6 F9
78.86.4		SEC BUTYL CHLORIDE	6
13952.84.6		SEC BUTYLAMINE	6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
513.49.5		SEC BUTYLAMINE (S-)	F8
135.98.8		SEC BUTYLBENZENE	6 F7
108.84.9		SEC HEXYL ACETATE	2,4
10102.18.8		SELENIOS ACID, DISODIUM SALT	2,4 *E* F6 F8 F9
7782.82.3		SELENIOS ACID, MONOSODIUM SALT	2,4 F8 F9
7782.49.2		SELENIUM	2,4 F8 F9
7446.08.4		SELENIUM DIOXIDE	2,4 F8 F9
7488.56.4		SELENIUM DISULFIDE	2,4 F8 F9
7783.79.1		SELENIUM HEXAFLUORIDE	2,4 F8 F9
7791.23.3		SELENIUM OXYCHLORIDE	2,4 *E* F6 F8 F9
7446.34.6		SELENIUM SULFIDE	2,3,4,7 *E*C* F8 F9
7783.00.8		SELENOUS ACID	2,4 *E* F6 F8 F9
563.41.7		SEMICARBAZIDE HYDROCHLORIDE	*E* F6
136.78.7	*	SESONE	2,4
63.25.2	*	SEVIN	2,4 *N* F8 F9
7803.62.5	*	SILANE	2,4,6
3037 .72 .7		SILANE, (4-AMINOBTYL) DIETHOXYMETHYL-	*E* F6
14808.60.7		SILICA CRYSTALLINE QUARTZ	2,3,4 *E*C*
N/A		SILICA GEL	4
14808.60.7		SILICA, CRYSTALLINE, QUARTZ	1,2,3,4
69012.64.2		SILICA, FUME	4
60676.86.0		SILICA, FUSED, DUST	4
112926.00.8		SILICA, PRECIPITATED	4
7631.86.9	*	SILICA,AMORPHOUS	2,4,5 F5
409.21.2		SILICON CARBIDE	4
7440.21.3		SILICON DUST	4 F5
7803.62.5		SILVER	2,4 F1 F8 F9
7784.01.2		SILVER CHROMATE	2,4 F8 F9
506.64.9		SILVER CYANIDE	2,4 F8 F9
7775.41.9		SILVER FLUORIDE	2
7761.88.8		SILVER NITRATE	2,4,5 F8 F9
122.34.9		SIMAZINE	8
13765.19.0	*	SINTERED CALCIUM CHROMATE	1,2,3,4 *E*C* F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

CAS No.		Name	References
1333.82.0	*	SINTERED CHROMIUM TRIOXIDE	1,2,3,4,5 *E*C* F8 F9
N/A		SOAPSTONE	2,4 F5
7440.23.5		SODIUM	5 F8
136.78.7	*	SODIUM 2,4-DICHLOROPHENOXYETHYL SULFATE	2,4
128.56.3		SODIUM ANTHRAQUINONE-1-SULFONATE	
13464.38.5	*	SODIUM ARSENATE	8
7631.89.2	*	SODIUM ARSENATE	*E* F6 F8
7778.43.0	*	SODIUM ARSENATE	8
7784.46.5		SODIUM ARSENITE	*E* F6 F8
26628.22.8		SODIUM AZIDE	4 *E* F6 F8
10588.01.9		SODIUM BICHROMATE	2,4,5 F8 F9
1333.83.1		SODIUM BIFLUORIDE	F8
7631.90.5		SODIUM BISULFITE	4 F8
1303.96.4		SODIUM BORATE	2,4
124.65.2		SODIUM CACODYLATE	*E* F6
7775.09.9		SODIUM CHLORATE	5
7758.19.2		SODIUM CHLORITE	5
1307.82.0		SODIUM CHLOROPLATINATE	2
7775.11.3		SODIUM CHROMATE	2,4 F8 F9
13517.17.4		SODIUM CHROMATE DECAHYDRATE	2,4 F8 F9
143.33.9		SODIUM CYANIDE	2,4,5,8 *E* F6 F8 F9
51580.86.0		SODIUM DICHLORO-S-TRIAZINE TRIONEDIHYDRATE	5
2893.78.9		SODIUM DICHLORO-S -RIAZINETRIONE	5
10588.01.9	*	SODIUM DICHRIMATE	2,4,5 F8 F9
25155.30.0		SODIUM DODECYLBENZENE SULFONATE	F8
7681.49.4		SODIUM FLUORIDE	5 F8
62.74.8		SODIUM FLUOROACETATE	2,4,8 *E* F6 F8
7646.69.7		SODIUM HYDRIDE	5
16721.80.5		SODIUM HYDROSULFIDE	F8
7775.14.6		SODIUM HYDROSULFITE	5
1310.73.2		SODIUM HYDROXIDE	2,4,5 F8 F9
7681.52.9		SODIUM HYPOCHLORITE	F8
10022.70.5		SODIUM HYPOCHLORITE (PENTAHYDRATE)	F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

7681.57.4		SODIUM METABISULFITE	4
124.41.4		SODIUM METHYLATE	F8
7631.99.4		SODIUM NITRATE	5
7632.00.0		SODIUM NITRITE	F8
131.52.2		SODIUM PENTACHLOROPHENATE	8 *E* F6
7601.89.0		SODIUM PERCHLORATE	5
1313.60.6		SODIUM PEROXIDE	5
10039.32.4	*	SODIUM PHOSPHATE, DIBASIC	F8
10140.65.5	*	SODIUM PHOSPHATE, DIBASIC	F8
7558.79.4	*	SODIUM PHOSPHATE, DIBASIC	F8
10101.89.0	*	SODIUM PHOSPHATE, TRIBASIC	F8
10124.56.8	*	SODIUM PHOSPHATE, TRIBASIC	F8
10361.89.4	*	SODIUM PHOSPHATE, TRIBASIC	F8
7601.54.9	*	SODIUM PHOSPHATE, TRIBASIC	F8
7758.29.4	*	SODIUM PHOSPHATE, TRIBASIC	F8
7785.84.4	*	SODIUM PHOSPHATE, TRIBASIC	F8
11135.81.2		SODIUM POTASSIUM ALLOYS	5
128.44.9		SODIUM SACCHARIN	1 *E*C*
13410.01.0		SODIUM SELENATE	2,4 *E* F6 F8 F9
10102.18.8	*	SODIUM SELENITE	2,4 *E* F6 F8 F9
7782.82.3	*	SODIUM SELENITE	2,4 F8 F9
16893.85.9		SODIUM SILICA FLUORIDE	2,4
7757.82.6		SODIUM SULFATE (SOLUTION)	F9
1313.82.2		SODIUM SULFIDE	5
10102.20.2		SODIUM TELLURITE	*E* F6
132.27.4		SODIUM-O-PHENYLPHENATE	1 *E*C*
7646.78.8		STANNIC CHLORIDE	5
301.10.0		STANNOUS 2-ETHYLHEXOATE	2
7772.99.8		STANNOUS CHLORIDE	2
7488.55.3		STANNOUS SULFATE	2
9005.25.8		STARCH DUST	4 F5
7745.89.3		STARLICIDE	8
1072.35.1		STEARIC ACID, LEAD (2+) SALT	4 F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

7428.48.0		STEARIC ACID, LEAD SALT	4 F8 F9
52652.59.2		STEARIC ACID, LEAD SALT, DIBASIC	4 F8 F9
56189.09.4		STEARIC ACID, LEAD SALT, DIBASIC	4 F8 F9
10048.13.2		STERIGMATOCYSTIN	1 *E*C*
7803.52.3		STIBINE	2,4
8052.41.3		STODDARD SOLVENT	2,4
57.92.1		STREPTOMYCIN	*T1*
18883.66.4		STREPTOZOTOCIN	1,3,7 *E*C* F8
7789.06.2		STRONTIUM CHROMATE	1,2,3,4 *E*C* F8 F9
N/A		STRONTIUM DICHROMATE	2,4,5 F8 F9
10042.76.9		STRONTIUM NITRATE	5
1314.18.7		STRONTIUM PEROXIDE	5
1314.96.1		STRONTIUM SULFIDE	F8
57.24.9		STRYCHNINE	2,4,8 *E* F6 F8
60.41.3		STRYCHNINE SULFATE	*E* F6
100.42.5		STYRENE	1,2,4,5,6,9 *E*C* F7 F8 F9
96.09.3		STYRENE OXIDE	1,6 *E*C* F9
100.42.5	*	STYRENE, MONOMER	1,2,4,5,6,9 *E*C* F7 F8 F9
1395.21.7		SUBTILISINS (PROTEOLYTIC ENZYMES)	4
57.50.1		SUCROSE DUST	4
95.06.7		SULFALLATE	3,9 *E*C*
126.33.0		SULFOLANE	6
3689.24.5		SULFOTEP	2,4,8 *E* F6 F8
3569.57.1		SULFOXIDE, 3-CHLOROPROPYL OCTYL	*E* F6
7704.34.9		SULFUR	5
12771.08.3		SULFUR CHLORIDE	F8
7446.09.5		SULFUR DIOXIDE	2,4,5 *E* F6
2551.62.4		SULFUR HEXAFLUORIDE	2,4
10025.67.9		SULFUR MONOCHLORIDE	2,4,5,6
5714.22.7		SULFUR PENTAFLUORIDE	2,4
7783.60.0		SULFUR TETRAFLUORIDE	4 *E* F6
7446.11.9		SULFUR TRIOXIDE	*E* F6
7664.93.9		SULFURIC ACID	2,4,5 *E* F6 F8 F9
8014.95.7		SULFURIC ACID (MIXTURE WITH SULFUR TRIOXIDE)	F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

7446.14.2		SULFURIC ACID, LEAD (2+) SALT	4 F8 F9
15739.80.7		SULFURIC ACID, LEAD SALT	4 F8 F9
7791.25.5		SULFURYL CHLORIDE	5
2699.79.8		SULFURYL FLUORIDE	2,4,8
35400.43.2		SULPROFOS	4,8
122.14.5	*	SUMITHION	8 *E* F6
540.59.0	*	SYM DICHLOROETHYLENE	2,4,5,6 F9
8065.48.3	*	SYSTOX	2,4,8 *E*N* F6
77.81.6		TABUN	*E* F6
14807.96.6		TALC	2,4 F5
7440.25.7		TANTALUM	2,4 F1
65996.89.6		TAR, COAL, HIGH TEMP.	1,7 *E*C* F4
65996.90.9		TAR, COAL, LOW TEMP.	1,7 *E*C* F4
14307.43.8		TARTARIC ACID, AMMONIUM SALT	F8
3164.29.2		TARTARIC ACID, DIAMMONIUM SALT	F8
1746.01.6	*	TCDD	1,3,7 *E*C*T2* F8
72.54.8		TDE	9 F8
608.73.1		TECHNICAL HCH	3,7 *E*C*
3689.24.5	*	TEDP	2,4,8 *E* F6 F8
13494.80.9		TELLURIUM	2,4 *E* F6
7783.80.4		TELLURIUM HEXAFLUORIDE	2,4 *E* F6
3383.96.8		TEMEPHOS	4 *N*
107.49.3		TEPP	2,4,8 *E*N* F6 F8
13071.79.9		TERBUFOS	8 *E* *N* F6
886.50.0		TERBUTRYN	8
100.21.0		TEREPHTHALIC ACID	F9
100.20.9		TEREPHTHALOYL CHLORIDE	6
26140.60.3		TERPHENYLS	2,4
625.16.1		TERT-AMYL ACETATE	F8
594.36.5		TERT-AMYL CHLORIDE	6
540.88.5		TERT-BUTYL ACETATE	2,4 F8
75.65.0		TERT-BUTYL ALCOHOL	2,4,5,6 F9
75.84.3		TERT-BUTYL CARBINOL	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

507.20.0		TERT-BUTYL CHLORIDE	6
1189.85.1		TERT-BUTYL CHROMATE	2,4 F8 F9
75.91.2		TERT-BUTYL HYDROPEROXIDE	5,6
107.71.1	*	TERT-BUTYL PERACETATE	5,6
614.45.9		TERT-BUTYL PERBENZOATE	5,6
107.71.1		TERT-BUTYL PEROXYACETATE	5,6
927.07.1		TERT-BUTYL PEROXYPIVALATE	5,6
73090.68.3		TERT-BUTYL TETRALIN	6
75.64.9		TERT-BUTYLAMINE	6 F8
3775.90.4		TERT-BUTYLAMINOETHYL METHACRYLATE	6
98.06.6		TERT-BUTYLBENZENE	6 F7
2160.93.2		TERT-BUTYLDIETHANOLAMINE	6
1333.13.7		TERT-BUTYL-M-CRESOL	6
30174.58.4		TERT-DECYLMERCAPTAN	6
110.05.4	*	TERT-DIBUTYL PEROXIDE	5,6
25103.58.6		TERT-DODECYL MERCAPTAN	6
25360.10.5		TERT-NONYL MERCAPTAN	6
141.59.3		TERT-OCTYL MERCAPTAN	6
107.45.9		TERT-OCTYLAMINE	6
28983.37.1		TERT-TETRADECYL MERCAPTAN	6
58.22.0		TESTOSTERONE	1 *E*C*
315.22.0	*	TESTOSTERONE OENANTHATE	1 *E*C*
57.85.2		TESTOSTERONE PROPIONATE	1 *E*C*
1461.25.2		TETRABUTYLTIN	2
1746.01.6	*	TETRACHLORODIBENZO-P-DIOXIN	1,3,7 *E*C*T2* F8
127.18.4		TETRACHLOROETHYLENE	2,4,5,6,7,9 *E*C* F7 F8 F9
56.23.5	*	TETRACHLOROMETHANE	1,2,3,4,5,7,8 *E*C* F7 F8 F9
1335.88.2		TETRACHLORONAPHTHALENE	2,4 F8
961.11.5		TETRACHLORVINPHOS	9 *E*C* F9
60.54.8		TETRACYCLINE	*T2*
3689.24.5	*	TETRAETHYL DITHIONOPYRO PHOSPHATE	2,4,8 *E* F6 F8
78.00.2		TETRAETHYL LEAD	2,4 *E* F6 F8 F9
597.64.8		TETRAETHYL TIN	*E* F6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

112.57.2		TETRAETHYLENE PENTAMINE	6
116.14.3		TETRAFLUOROETHYLENE	5,6
116.14.3	*	TETRAFLUOROETHYLENE MONOMER	5,6
109.99.9		TETRAHYDROFURAN	2,4,5,6 F8
97.99.4		TETRAHYDROFURFURYL ALCOHOL	6
75.74.1		TETRAMETHYL LEAD	2,4 *E* F6 F8 F9
3333.52.6		TETRAMETHYL SUCCINONITRILE	2,4
594.27.4		TETRAMETHYL TIN	6
137.26.8	*	TETRAMETHYLTHIURAM DISULFIDE	2,4 F8
509.14.8		TETRANITROMETHANE	2,4 *E* F6 F8
595.90.4		TETRAPHENYL TIN	6
7722.88.5		TETRASODIUM PYROPHOSPHATE	4
479.45.8		TETRYL	2,4
50.35.1		THALIDOMIDE	*T1*
1314.32.5		THALLIC OXIDE	2,4 F8 F9
7440.28.0		THALLIUM	2,4 F8 F9
13473.75.1		THALLIUM (I) CHROMATE	2,4 F8 F9
12039 .52 .0		THALLIUM (I) SELENIDE	2,4 F8 F9
563.68.8	*	THALLIUM ACETATE	2,4
10031.59.1		THALLIUM SULFATE	2,4 *E* F6 F8 F9
7446.18.6		THALLIUM SULFATE (2:1)	2,4 *E* F6 F8 F9
10102.45.1		THALLIUM(I) NITRATE	2,4 F8 F9
6533.73.9		THALLOUS CARBONATE	2,4 *E* F6 F8 F9
7791.12.0		THALLOUS CHLORIDE	2,4 *E* F6 F8 F9
2757.18.8		THALLOUS MALONATE	2,4 *E* F6 F8 F9
10031.59.1	*	THALLOUS SULFATE	2,4 *E* F6 F8 F9
638.17.5		THIALDINE	6
298.02.2	*	THIMET	2,4,8 *E*N* F6 F8
62.55.5		THIOACETAMIDE	1,3,7 *E*C* F8 F9
62.56.6	*	THIOCARBAMIDE	1,3,7 *E*C*F8 F9
2231.57.4		THIOCARBAZIDE	*E* F6
21564.17.0		THIOCYANIC ACID, (2 BENZOTHIAZOLYLTHIO) METHYL ESTER	2,4
115.29.7	*	THIODAN	2,4 *E* F6 F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

111.48.8		THIODIGLYCOL	6
39196.18.4		THIOFANOX	*E* F6 F8
68.11.1		THIOGLYCOLIC ACID	4
640.15.3		THIOMETON	
297.97.2		THIONAZIN	*E* F6 F8
7719.09.7		THIONYL CHLORIDE	4,5
110.02.1		THIOPHENE	6
108.98.5	*	THIOPHENOL	2,4 *E* F6 F8
79.19.6		THIOSEMICARBAZIDE	*E* F6 F8
52.24.4	*	THIOTEPA	1,3,7 9 *E*C*
52.24.4		THIO TEPA	1,3,7 9 *E*C*
62.56.6		THIOUREA	1,3,7 *E*C* F8 F9
5344.82.1		THIOUREA, (2-CHLOROPHENYL)-	*E* F6 F8
614.78.8		THIOUREA, (2-METHYLPHENYL)-	*E* F6
137.26.8		THIRAM	2,4 F8
1314.20.1		THORIUM DIOXIDE	3 *E*C* F9
13823.29.5		THORIUM NITRATE	5
7440.31.5		TIN	4 F1
13463.67.7	*	TIN DIOXIDE DUST	2,4
38455.77.5		TIN II CHROMATE	2,4 F8 F9
10101.75.4		TIN IV CHROMATE	2,4 F8 F9
3440.31.5		TIN OXIDE	2
13463.67.7		TITANIUM DIOXIDE	4
7550.45.0		TITANIUM TETRACHLORIDE	5 *E* F6 F9
8037.19.1		TOBACCO LEAF, ABSOLUTE	1 *E*C*
108.88.3		TOLUENE	2,4,5,6 F7 F8 F9
91.08.7		TOLUENE 2,6-DIISOCYANATE	2,4 *E* F6 F8 F9
584.84.9		TOLUENE 2,4-DIISOCYANATE (TDI)	1,2,3,4,5,6 *E*C* F6 F8 F9
108.88.3	*	TOLUOL	2,4,5,6 F7 F8 F9
1918.02.1	*	TORDON	2,4,8,9
8001.35.2		TOXAPHENE	1,2,3,4,7,8,9 *E*C* F6 F8 F9
66841.25.6		TRALOMETHRIN	8 *N*
10061.02.6		TRANS 1,3-DICHLOROPRENE	1,5 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

110.57.6	*	TRANS-1,4-DICHLORO-2-BUTENE	*E* F6
110.57.6	*	TRANS-1,4-DICHLOROBUTENE	*E* F6
55738.54.0		TRANS-2((DIMETHYLAMINO)METHYLIMINO)-5-(2-(5-NITRO-2-FURYL)	
77536.68.6		TREMOLITE ASBESTOS	1,2,3,4,7 *E*C* F2
299.75.2		TREOSULPHAN	1 *E*C*
1031.47.6		TRIAMIPHOS	*E* F6
621.77.2	*	TRIAMYLAMINE	5,6
68.76.8	*	TRIAZQUONE	1 *E*C* F9
24017.47.8		TRIAZOFOS	*E* F6
126.73.8		TRIBUTYL PHOSPHATE	2,4,6
102.85.2		TRIBUTYL PHOSPHITE	6
1116.70.7		TRIBUTYLALUMINUM	5
102.82.9		TRIBUTYLAMINE	5,6
1558.25.4		TRICHLORO(CHLOROMETHYL)SILANE	*E*F6
27137.85.5		TRICHLORO(DICHLOROPHENYL)SILANE	*E* F6
75.87.6		TRICHLOROACETALDEHYDE	F8
76.03.9		TRICHLOROACETIC ACID	4
76.02.8		TRICHLOROACETYL CHLORIDE	*E* F6
79.01.6	*	TRICHLOROETHENE	2,4,5,7,9 *E*C* F7 F8 F9
79.01.6		TRICHLOROETHYLENE	2,4,5,7,9 *E*C* F7 F8 F9
115.21.9		TRICHLOROETHYLSILANE	5,6 *E* F6
75.69.4		TRICHLOROFLUOROMETHANE	2,4 F7 F8
67.66.3	*	TRICHLOROMETHANE	1,2,3,4,5,7,9 *E*C* F6 F7 F8 F9
1321.65.9		TRICHLORONAPHTHALENE	2,4 F8
327.98.0		TRICHLORONATE	*E* F6
76.06.2	*	TRICHLORONITROMETHANE	2,4,5,8 F8
25167.82.2		TRICHLOROPHENOL	F8 F9
10025.78.2		TRICHLOROSILANE	5,6
87.90.1		TRICHLORO S TRIAZINETRIONE	5
52.68.6	*	TRICHOLORPHON	F8 F9
13121.70.5	*	TRICYCLOHEXYLTIN HYDROXIDE	4
15468.32.3		TRIDYMITE DUST	2,3,4
15468.32.3		TRIDYNITE DUST	2,3,4 *E*C*

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

102.71.6		TRIETHANOLAMINE	5
27323.41.7		TRIETHANOLAMINE DODECYLBENZENE SULFONATE	F8
998.30.1		TRIETHOXSILANE	*E* F6
97.93.8		TRIETHYLALUMINUM	6
121.44.8		TRIETHYLAMINE	2,4,5,6 F8
97.94.9		TRIETHYLBORANE	6
112.24.3		TRIETHYLENETETRAMINE	6
7637.07.2	*	TRIFLUOROBORANE	2,4,5 *E* F6
75.63.8		TRIFLUOROBROMOMETHANE	2,4 F8
79.38.9		TRIFLUOROCHLOROETHYLENE	6
75.63.8	*	TRIFLUOROMONOBROMOMETHANE	2,4 F8
1582.09.8		TRIFLURALIN	9 *E*C* F9
112.26.5		TRIGLYCOL DICHLORIDE	6
75.47.8	*	TRIODOMETHANE	2,4
13195.76.1		TRISOBUTYL BORATE	6
100.99.2		TRISOBUTYLALUMINUM	6
122.20.3		TRISOPROPANOLAMINE	6
5419.55.6		TRISOPROPYL BORATE	6
552.30.7		TRIMELLITIC ANHYDRIDE	4
127.48.0		TRIMETHADIONE	*T1*
25551.13.7		TRIMETHYL BENZENE	4
512.56.1		TRIMETHYL PHOSPHATE	9 *E*C*
121.45.9		TRIMETHYL PHOSPHITE	4
1066.45.1		TRIMETHYL TIN CHLORIDE	*E* F6
75.24.1		TRIMETHYLALUMINUM	6
75.50.3		TRIMETHYLAMINE	4,5,6 F8
75.77.4		TRIMETHYLCHLOROSILANE	6 *E* F6
1321.60.4		TRIMETHYLCYCLOHEXANOL	6
824.11.3		TRIMETHYLOLPROPANE PHOSPHITE	*E* F6
2489.77.2		TRIMETHYLTHIOUREA	9 *E*C*
688.74.4		TRI-N-BUTYL BORATE	6
99.35.4		TRINITROBENZENE	5 F8
118.96.7		TRINITROTOLUENE	2,4,5

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

78.30.8		TRI-O-CRESYL PHOSPHATE	2,4,6
78.30.8	*	TRIORTHOCRESYL PHOSPHATE	2,4,6
110.88.3		TRIOXANE	5,6
621.77.2		TRIPENTYLAMINE	5,6
603.34.9		TRIPHENYL AMINE	4
115.86.6		TRIPHENYL PHOSPHATE	2,4,6
639.58.7		TRIPHENYL TIN CHLORIDE	*E* F6
76.87.9		TRIPHENYL TIN HYDROXIDE	8
7758.29.4		TRIPHOSPHORIC ACID, PENTASODIUM SALT	F8
1317.95.9		TRIPOLI DUST	4
102.67.0		TRIPROPYL ALUMINUM	6
102.69.2		TRIPROPYLAMINE	6
13987.01.4		TRIPROPYLENE	6
52.24.4	*	TRIS(1-AZIRIDINYL)PHOSPHINE SULFIDE	1,3,7 9 *E*C*
126.72.7		TRIS(2,3-DIBROMOPROPYL) PHOSPHATE	1,3,7 9 *E*C* F8 F9
555.77.1		TRIS(2-CHLOROETHYL)AMINE	*E* F6
68.76.8		TRIS(AZIRIDINYL- P-BENZOQUINONE	1 *E*C* F9
62450.06.0		TRP-P-1	1 *E*C*
62450.07.1		TRP-P-2	1 *E*C*
7.57.21		TRYPAN BLUE, COMMERCIAL GRADE	1,7 *E*C* F8
7440.33.7		TUNGSTEN	4
8006.64.2		TURPENTINE	2,4,5,6
8006.64.2	*	TURPENTINE OIL	2,4,5,6
57.14.7	*	UNSYMMETRICAL DIMETHYLHYDRAZINE	1,2,3,4,5,6,7 *E*C* F6 F8 F9
66.75.1		URACIL MUSTARD	1,7 *E*C* F8
7440.61.1		URANIUM (NATURAL)	4
7783.81.5		URANIUM HEXAFLUORIDE	2
13598.56.6		URANIUM HYDRIDE	2
1344.59.8		URANIUM OCTAOXIDE	2
10049.14.6		URANIUM TETRAFLUORIDE	2
541.09.3		URANYL ACETATE	F8
10102.06.4		URANYL NITRATE	5 F8
36478.76.9		URANYL NITRATE	F8

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

1314.64.3		URANYL SULFATE	2
51.79.6		URETHANE	1,3,7 *E*C* F8 F9
110.62.3		VALERALDEHYDE	4,6
2001.95.8		VALINOMYCIN	*E* F6
99.66.1		VALPROIC ACID	*T1*
7440.62.2		VANADIUM (FUME OR DUST)	F9
1314.62.1		VANADIUM PENTOXIDE, DUST AND FUME	2,4 *E* F6 F8
7632.51.1		VANADIUM TETRACHLORIDE	5
27774.13.6		VANADYL SULFATE	F8
62.73.7	*	VAPONA	4,6,9 *E*N* F6 F8 F9
N/A		VEGETABLE OIL DIST	2
110.75.8		VINYL 2-CHLOROETHYL ETHER	6 F8
94.04.2		VINYL 2-ETHYLHEXOATE	6
103.44.6		VINYL 2-ETHYLHEXYL ETHER	6
1663.35.0		VINYL 2-METHOXYETHYL ETHER	6
108.05.4		VINYL ACETATE MONOMER	4,5,6 *E* F6 F8 F9
689.97.4		VINYL ACETYLENE	6
3917.15.5		VINYL ALLYL ETHER	6
100.42.5	*	VINYL BENZENE	1,2,4,5,6,9 *E*C* F7 F8 F9
593.60.2		VINYL BROMIDE	1,4,6 *E*C* F9
111.34.2		VINYL BUTYL ETHER	6
123.20.6		VINYL BUTYRATE	6
75.01.4		VINYL CHLORIDE	1,2,3,4,5,6,7 *E*C*T2*F7 F8 F9
14861.06.4		VINYL CROTONATE	6
107.13.1	*	VINYL CYANIDE	1,2,3,4,5,6,7,8 *E*C* F6 F8 F9
106.87.6		VINYL CYCLOHEXENE DIOXIDE	4
109.92.2		VINYL ETHYL ETHER	6
75.02.5		VINYL FLUORIDE	6
109.53.5		VINYL ISOBUTYL ETHER	6
926.65.8		VINYL ISOPROPYL ETHER	6
107.25.5		VINYL METHYL ETHER	6
105.38.4		VINYL PROPIONATE	6
25013.15.4		VINYL TOLUENE	2,4,5,6
75.94.5		VINYL TRICHLOROSILANE	6

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

N/A		VINYL)-1,3,4-OXADIAZOLE	1 *E*C*
30030.25.2		VINYLBENZYL CHLORIDE	6
75.35.4		VINYLDENE CHLORIDE	4,5,6,7 *E*C* F7 F8 F9
75.38.7		VINYLDENE FLUORIDE	6
3048.64.4		VINYLNORBORNENE	
68.26.8		VITAMIN A	*T2*
50.14.6	*	VITAMIN D2	*E* F6
84.80.0	*	VITAMIN K1	
8030.30.6	*	VM & P NAPHTHA	2,4,6
81.81.2		WARFARIN	2,4 F6 *E* *T1* F8
129.06.6		WARFARIN SODIUM	*E* *T1* F6
1330.20.7		XYLENE	2,4 F8 F9
1300.71.6		XYLENOL	F8
1300.73.8		XYLIDINE	2,4
28347.13.9	*	XYLYLENE DICHLORIDE	*E* F6 F8
7440.65.5		YTTRIUM	2,4 F1
7440.66.6		ZINC	5 F1 F8 F9
557.34.6		ZINC ACETATE	F8 F9
14639.97.5		ZINC AMMONIUM CHLORIDE	F8 F9
14639.98.6	*	ZINC AMMONIUM CHLORIDE	F8
52628.25.8		ZINC AMMONIUM CHLORIDE	F8 F9
39413.47.3		ZINC BERYLLIUM SILICATE	1,2,3,4 *E*C* F8 F9
1332.07.6		ZINC BORATE	F8 F9
7699.45.8		ZINC BROMIDE	F8 F9
3486.35.9		ZINC CARBONATE	F8 F9
10361.95.2		ZINC CHLORATE	5 F8 F9
7646.85.7		ZINC CHLORIDE FUME	2,4 F8 F9
13530.65.9		ZINC CHROMATE	1,2,3,4 *E*C* F8 F9
557.21.1		ZINC CYANIDE	2,4 F8 F9
14018.95.2		ZINC DICHROMATE	2,4,5 F8 F9
7783.49.5		ZINC FLUORIDE	F8 F9
557.41.5		ZINC FORMATE	F8 F9
7779.86.4		ZINC HYDROSULFITE	F8 F9

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

7779.88.6		ZINC NITRATE	F8 F9
1314.13.2		ZINC OXIDE FUME	2,4 F8 F9
127.82.2		ZINC PHENOLSULFONATE	F8 F9
1314.84.7		ZINC PHOSPHIDE	8 F6 *E* F8 F9
16871.71.9		ZINC SILICOFLUORIDE	F8 F9
557.05.1		ZINC STEARATE	4 F8 F9
7733.02.0		ZINC SULFATE	F8 F9
58270.08.9		ZINC,DICHLORO(4,4-DIMETHYL-5-(((METHYLAMINO)CARBONYL)OXY)IMINO)PENTANENITRILE)-(T-4)	*E*F6
14639.98.6		ZINCATE (3-), PENTACHLORO-, TRIAMMONIUM	F8
12122.67.7		ZINEB	F9
7699.43.6		ZIRCONIUM OXYCHLORIDE	2
7440.67.7		ZIRCONIUM	2,4,5 F1
7704.99.6		ZIRCONIUM HYDRIDE	2
13746.89.9		ZIRCONIUM NITRATE	F8
1314.23.4		ZIRCONIUM OXIDE	2
63868.82.6		ZIRCONIUM PICRAMATE	
16923.95.8		ZIRCONIUM POTASSIUM FLUORIDE	F8
14644.61.2		ZIRCONIUM SULFATE	F8
10026.11.6		ZIRCONIUM TETRACHLORIDE	5 F8
4229.34.9		ZIRCONYL ACETATE	2
148.01.6	*	ZOALENE	4

SOURCE LIST DEFINITIONS

- 1 -IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER PUBLISHED MONOGRAPH SUBSTANCES FOUND TO HAVE AT LEAST SUFFICIENT EVIDENCE OF CARCINOGENICITY IN ANIMALS.
- 2 -OSHA A. UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION SUBSTANCES, 29 CFR 1910.1000, SUB PART Z.
B. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) "OCCUPATIONAL HEALTH GUIDELINES FOR CHEMICAL HAZARDS" SUBSTANCES.
- 3 -NTP NATIONAL TOXICOLOGY PROGRAM OF THE UNITED STATES PUBLIC HEALTH SERVICE SUBSTANCES LISTED IN "ANNUAL REPORTS ON CARCINOGENS".
- 4 -ACGIH AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS THRESHOLD LIMIT VALUE (TLV) SUBSTANCES.
- 5 NFPA49 NATIONAL FIRE PROTECTION ASSOCIATION "HAZARDOUS CHEMICALS DATA" SUBSTANCES (NFPA 49).
- 6 NFPA325M NATIONAL FIRE PROTECTION ASSOCIATION "FIRE HAZARD PROPERTIES OF FLAMMABLE LIQUIDS, GASSES, VOLATILE SOLIDS" SUBSTANCES (NFPA 325 M).
- 7 -CAG CARCINOGEN ASSESSMENT GROUP OF THE UNITED STATES ENVIRONMENTAL PROTECTION SUBSTANCES.
- 8 -EPA ENVIRONMENTAL PROTECTION AGENCY PESTICIDES (40 CFR 162.30)
- 9 -NCI NATIONAL CANCER INSTITUTE SUBSTANCES.

105 CMR: DEPARTMENT OF PUBLIC HEALTH

Appendix A: continued

****HAZARD DESIGNATIONS****

C	CARCINOGENS	POSES A RISK OF CANCER IN HUMANS.
N	NEUROTOXIN	POSES A RISK OF NEUROTOXIC EFFECTS IN HUMANS.
M	MUTAGEN	POSES A RISK OF MUTAGENESIS IN HUMANS.
E	EXTRAORDINARILY HAZARDOUS	SUBSTANCES THAT HAVE A LOW LETHAL DOSE (LD50) OR ARE DESIGNATED CARCINOGENS.
T1	TERATOGEN	SUFFICIENT EVIDENCE OF TERATOGENIC RISK IN HUMANS.
T2	TERATOGEN	LIMITED EVIDENCE OF TERATOGENIC RISK IN HUMANS

****FOOTNOTE DESIGNATIONS****

- F1 ELEMENTAL METALS AND ALLOYS. A MATERIAL SAFETY DATA SHEET MUST BE PROVIDED UNDER THE FOLLOWING CIRCUMSTANCES:
- A) THE METAL IS A FINE POWDER OR IN GRANULAR FORM; OR
 - B) THE METAL IS IN THE FORM OF WELDING OR BRAZING RODS, SOLDER, OR SIMILAR FORM; OR
 - C) THE METAL IS MELTED AS IN FOUNDRY WORK OR SIMILAR PROCESSES; OR
 - D) WHEN THE SHAPE OR FORM OF A SOLID METAL OBJECT IS SUBSTANTIALLY ALTERED THROUGH MILLING, GRINDING OR OTHER MACHINING PROCESS WHICH RESULTS IN THE GENERATION OF DUST OR FUMES; OR
 - E) THE METAL IS USED FOR ELECTROPLATING ANODES WHICH CAN RESULT IN EXPOSURE TO METAL IONS.
- F2 ASBESTOS. EXEMPT ONLY WHEN A NONFRIABLE ENCAPSULATED PRODUCT, SUCH AS FLOOR TILES, ROOFING SHINGLES, ETC., UNLESS SUBSTANTIAL SANDING.
- F3 ASPHALT. ANY PRODUCT MAY RESULT IN THE GENERATION OF ASPHALT FUMES
- F4 COAL TAR PITCH VOLATILE. ANY PRODUCT WHICH COULD GIVE RISE TO COAL TAR PITCH VOLATILE.
- F5 DUST PRODUCING MATERIALS. EXEMPT WHEN ENCAPSULATED OR IF PARTICULATES ARE NOT PRESENT AND CANNOT BE SUBSTANTIALLY GENERATED THROUGH USE OF THE PRODUCT.
- F6 EPA EXTREMELY HAZARDOUS SUBSTANCES. 29 CFR PARTS 300 AND 355. FEDERAL REGISTER 52 FR 13397 (4/22/87). AMENDED UN 52 FR 48073 (12/17/87) AND 53 FR 5574 (2/25/88). THESE SUBSTANCES ARE SUBJECT TO THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT (SARA) TITLE III.
- F7 VOLATILE ORGANIC SUBSTANCES (VOC'S). LISTED IN EPA NATIONAL DRINKING WATER REGULATIONS TABLES 1 AND 6, 40 CFR PARTS 141 AND 142, 52 FR 25690 (7/8/87).
- F8 CERCLA HAZARDOUS SUBSTANCES. 40 CFR PART 302. MAY BE SUBJECT TO EMERGENCY RELEASE NOTIFICATION UNDER SARA TITLE III.
- F9 TOXIC CHEMICAL RELEASE SUBSTANCES. 52 FR 21152 (6/4/87). SUBJECT TO SARA TITLE III.