



DEPARTMENT OF ENVIRONMENTAL CONSERVATION


[Printer-friendly](#) || [A-Z Subject Index](#) ||


[Home](#) » [Regulations and Enforcement](#) » [Regulations](#) » [Chapter V - Resource Management Services](#) » [Part 597: List Of Hazardous Substances - Page 1](#)

[Outdoor Activities](#)
[Animals, Plants, Aquatic Life](#)
[Chemical and Pollution Control](#)
[Energy and Climate](#)
[Lands and Waters](#)
[Education](#)
[Permits and Licenses](#)
[Public Involvement and News](#)
[Regulations and Enforcement](#)
[Regulations](#)
[Chapter V - Resource Management Services](#)
[Part 597: List Of Hazardous Substances - Page 1](#)
[Publications, Forms, Maps](#)
[About DEC](#)

Part 597: List Of Hazardous Substances - Page 1

(Statutory authority: Environmental Conservation Law, Sections 3-0301.1.m, 3-0301.2.m, 15-0514, 37-0103, 40-0113)

[Effective 07/15/88]

[Amended 08/11/94.]

[page 1 of 5] Pages in this Part: Section 597.1 to Section 597.2

[page 2 of 5] Pages in this Part: [Table 1 \(Part A\) - Hazardous Substances, Alphabetical Order \(A - K\)](#)

[page 3 of 5] Pages in this Part: [Table 1 \(Part B\) - Hazardous Substances, Alphabetical Order \(L - Z\)](#)

[page 4 of 5] Pages in this Part: [Table 2 \(Part A\) - Hazardous Substances, Cas Number Order \(50 - 700\)](#)

[page 5 of 5] Pages in this Part: [Table 2 \(Part B\) - Hazardous Substances, Cas Number Order \(800-end\)](#)

Contents:

Sec.

[597.1 General](#)

[597.2 Hazardous Substance List](#)

§597.1 General

(a) **Definitions.** The following definitions apply to this Part:

(1) "Acutely Hazardous Substance" means a hazardous substance which:

(A) has an oral LD₅₀ (rat) toxicity of less than 50 milligrams per kilogram;

(B) has an inhalation LC₅₀ (rat) toxicity of less than 2 milligrams per liter;

(C) has a dermal LD₅₀ (rabbit) toxicity of less than 200 milligrams per kilogram; or

(D) causes or is capable of causing death, serious illness or serious physical injury to any person or persons as a consequence of release into the environment.

(2) "Chemical Abstract Service Number" or "CAS number" is the unique address for a chemical substance assigned by the CAS division of the American Chemical Society.

(3) "Hazardous Substance" means any substance which:

(i) because of its quantity, concentration, or physical, chemical or infectious characteristics causes physical injury or illness to humans when improperly treated, stored, transported, disposed of, or otherwise managed;

(ii) poses a present or potential hazard to the environment when improperly treated, stored, transported, disposed of, or otherwise managed;

(iii) because of its toxicity or concentration within biological chains, presents a demonstrated threat to biological life cycles when released into the environment;

(iv) is a substance whose manufacture, processing, contribution in commerce, use,

possession or disposal is banned, prohibited or limited pursuant to the federal Toxic Substances Control Act (15 U.S.C., Section 2601 et seq) as of June 1, 1985;

(v) is a pesticide whose use or possession is prohibited pursuant to the federal Insecticide, Fungicide and Rodenticide Act (7 U.S.C. 135 et seq) as of June 1, 1985;

(vi) is a substance defined as a hazardous substance pursuant to the federal Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. 9601 et seq) as of June 1, 1985;

(vii) is an acutely hazardous substance;

(viii) is a hazardous waste as identified or listed in Part 371 of this Title; or

(ix) is petroleum as defined in this Part.

(4) "Oral LD₅₀ (rat) toxicity" means a calculated dose of a substance which is expected to cause the death of 50 percent of an experimental rat population when administered orally.

(5) "Inhalation LC₅₀ (rat) toxicity" means a calculated concentration of a substance in air, exposure to which is expected to cause the death of 50 percent of an experimental rat population when inhaled.

(6) "Dermal LD₅₀ (rabbit) toxicity" means a calculated dose of a substance which is expected to cause the death of 50 percent of an experimental rabbit population when applied to the skin.

(7) "Petroleum" means oil or petroleum of any kind and in any form including but not limited to oil, petroleum fuel oil, oil sludge, oil refuse, oil mixed with other waste, crude oil, gasoline and kerosene.

(8) "RQ" means reportable quantity as defined in section 595.1(c) of this Title.

(9) "Release" means any unauthorized pumping, pouring, emitting, emptying, overfilling, spilling, leaking, leaching or disposing, directly or indirectly, of a hazardous substance so that the substance or any related constituent thereof, or any degradation product of such a substance or of a related constituent thereof, may enter the environment.

(b) Severability. If any provisions of this Part or its application to any person or circumstance is held to be invalid, the remainder of the Part and the application of that provision to other persons or circumstances shall not be affected.

§597.2 Hazardous Substance List

(a) See 6NYCRR 371 for the identification and listing of hazardous wastes included in the definition of hazardous substances.

(b) Except for petroleum, Table 1 is a list of all other hazardous substances in alphabetical order. Table 2 is a list of the same hazardous substances in chemical abstract service (CAS) number order. Substances noted with an "A" are acutely hazardous substance.

(c) Notification of the release of an RQ (Reportable Quantity) of solid particles of antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium or zinc is not required if the mean diameter of the particles released is larger than 100 micrometers (0.004 inches).

