

Contaminant Candidate List (CCL) and Regulatory Determination

Substance Name	CASRN ¹	Use
1,1-Dichloroethane	75-34-3	It is an industrial solvent and an intermediate in the synthesis of other compounds.
1,1,1,2-Tetrachloroethane	630-20-6	It is an industrial solvent and used in the synthesis of other chlorinated compounds.
1,2,3-Trichloropropane	96-18-4	It is an industrial solvent, cleaning and degreasing agent as well as an intermediate in the synthesis of the other compounds.
1,3-Butadiene	106-99-0	It is used in the production of rubber and plastics.
1,4-Dioxane	123-91-1	It is used as a solvent or solvent stabilizer in the manufacturing and processing of paper, cotton, textile products, automotive coolant, cosmetics and shampoos.
17alpha-estradiol	57-91-0	It is an estrogenic hormone found in some pharmaceuticals.
1-Butanol	71-36-3	It is a solvent and used in production of other chemicals. compounds. It is present in a number of commercial products such as perfumes.

2-Methoxyethanol	109-86-4	It is used in a number of consumer products, such as synthetic cosmetics, perfumes, fragrances, hair preparations, and skin lotions.
2-Propen-1-ol	107-18-6	It is used in the production of other chemicals.
3-Hydroxycarbofuran	16655-82-6	It is a pesticide degradate, the parent, carbofuran, is used as an insecticide.
4,4'-Methylenedianiline	101-77-9	It is used in the production of polyurethanes foams, glues, rubber and spandex fiber.
Acephate	30560-19-1	It is an insecticide.
Acetaldehyde	75-07-0	It is a disinfection byproduct from ozonation; it is used in the production of other chemicals.
Acetamide	60-35-5	It is used as a solvent and plasticizer.
Acetochlor	34256-82-1	It is an herbicide for weed control on agricultural crops.
Acetochlor ethanesulfonic acid (ESA)	187022-11-3	Acetochlor ESA is an environmental degradate of acetochlor.

Acetochlor oxanilic acid (OA)	184992-44-4	Acetochlor OA is an environmental degradate of acetochlor.
Acrolein	107-02-8	It is used as an aquatic herbicide, rodenticide and industrial chemical.
Alachlor ethanesulfonic acid (ESA)	142363-53-9	Alachlor ESA is an environmental degradate of the pesticide alachlor (an herbicide for weed control on agricultural crops).
Alachlor oxanilic acid (OA)	171262-17-2	Alachlor OA is an environmental degradate of alachlor.
alpha-Hexachlorocyclohexane	319-84-6	It is a component of benzene hexachloride (BHC) and was formerly used as an insecticide.
Aniline	62-53-3	It is used as an industrial chemical, as a solvent, in the synthesis of explosives, rubber products and in isocyanates.
Bensulide	741-58-2	It is an herbicide.
Benzyl chloride	100-44-7	It is used in the production of other substances, such as plastics, dyes, lubricants, gasoline and pharmaceuticals.
Butylated hydroxyanisole	25013-16-5	It is used as a food additive (antioxidant).

Captan	133-06-2	It is a fungicide.
Chlorate	14866-68-3	Chlorate compounds are used in agriculture as defoliants or desiccants and may occur in drinking water because of use of disinfectants such as chlorine dioxide and hypochlorites.
Chloromethane (Methyl chloride)	74-87-3	It is used as a foaming agent and in the production of other substances.
Clethodim	110429-62-4	It is an herbicide.
Cobalt	7440-48-4	It is a naturally-occurring element and was formerly used as cobaltous chloride in medicines and as a germicide. It is a part of the vitamin B12 molecule
Cumene hydroperoxide	80-15-9	It is used as a catalyst is used in the production of other substances.
Cyanotoxins	Not applicable.	Toxins naturally produced and released by cyanobacteria ("blue-green algae"). Various studies suggest three cyanotoxins for consideration: Anatoxin-a, Microcystin-LR, and Cylindrospermopsin
Dicrotophos	141-66-2	It is an insecticide.
Dimethipin	55290-64-7	It is an herbicide and plant growth regulator.

Disulfoton	298-04-4	It is an insecticide.
Diuron	330-54-1	It is an herbicide.
Equilenin	517-09-9	It is an estrogenic hormone used in hormone replacement therapy.
Equilin	474-86-2	It is an estrogenic hormone and is used in hormone replacement therapy.
Erythromycin	114-07-8	It is used as an antibiotic.
Estradiol (17-beta estradiol)	50-28-2	It is an isomer of estradiol found in some pharmaceuticals.
Estriol	50-27-1	It is a weak estrogenic hormone used in veterinary pharmaceuticals.
Estrone	53-16-7	It is a precursor of estradiol used in veterinary and human pharmaceuticals.
Ethinyl estradiol (17-alpha ethynyl estradiol)	57-63-6	It is an estrogenic hormone and is used in veterinary and human oral contraceptives.
Ethoprop	13194-48-4	It is an insecticide.

Ethylene glycol	107-21-1	It is used as antifreeze, in textile manufacturing and is a cancelled pesticide.
Ethylene oxide	75-21-8	It is a fungicidal and insecticidal fumigant.
Ethylene thiourea	96-45-7	It is used in the production of other substances, such as for vulcanizing polychloroprene (neoprene) and polyacrylate rubbers and is a metabolite of some fungicides.
Fenamiphos	22224-92-6	It is an insecticide.
Formaldehyde	50-00-0	It is an ozonation disinfection byproduct, can occur naturally and has been used as a fungicide.
Germanium	7440-56-4	It is a naturally-occurring element and is commonly found as germanium dioxide in phosphors, transistors and diodes, and in electroplating. In some cases it has been sold as a dietary supplement.
HCFC-22	75-45-6	It is used as a refrigerant, as a low-temperature solvent, and in fluorocarbon resins, especially in tetrafluoroethylene polymers.
Halon 1011 (bromochloromethane)	74-97-5	It is used as a fire-extinguishing fluid and to suppress explosions, as well as a solvent in the manufacturing of some pesticides. May also occur as a disinfection by-product in drinking water.
Hexane	110-54-3	It is a component of gasoline and used as a solvent.
Hydrazine	302-01-2	It is used as an ingredient in the production of other substances, such as rocket propellants. It is also used in the production of plastics.

Manganese	7439-96-5	It is a naturally-occurring element used in a variety of applications including use in steel production to improve hardness, stiffness and strength. It is an essential nutrient found in vitamin/mineral supplement and in fortified foods.
Mestranol	72-33-3	It is a precursor to ethinylestradiol used in veterinary and human pharmaceuticals.
Methamidophos	10265-92-6	It is an insecticide.
Methanol	67-56-1	It is used as an industrial solvent, a gasoline additive and as an anti-freeze ingredient.
Methyl bromide (bromomethane)	74-83-9	It has been used as a fumigant and fungicide.
Methyl tert-butyl ether (MTBE)	1634-04-4	It is used as an octane booster in gasoline, in the manufacturing of isobutene and as an extraction solvent.
Metolachlor	51218-45-2	It is an herbicide for weed control on agricultural crops.
Metolachlor ethanesulfonic acid (ESA)	171118-09-5	Metolachlor ESA is an environmental degradate of metolachlor.
Metolachlor oxanilic	152019-	Metolachlor OA is an environmental degradate of metolachlor.

acid (OA)

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Molinate	2212-67-1	It is an herbicide.
Molybdenum	7439-98-7	It is a naturally-occurring element and is commonly found as molybdenum trioxide. It is used as a steel alloy. It is an essential dietary nutrient found in foods and nutritional supplements.
Nitrobenzene	98-95-3	It is used in the production of aniline, and also as a solvent in the manufacturing of paints, shoe polishes, floor polishes, metal polishes, explosives, dyes, pesticides and drugs (such as acetaminophen),
Nitroglycerin	55-63-0	It is used in the production of explosives, and in rocket propellants. It is also a pharmaceutical for the treatment of angina.
N-Methyl-2-pyrrolidone	872-50-4	It is a solvent in the chemical industry, and is used in the formulation of pharmaceuticals for oral and dermal delivery.
N-nitrosodiethylamine (NDEA)	55-18-5	It is a nitrosamine used as an additive in gasoline and in lubricants, as an antioxidant and as a stabilizer in plastics. It is formed in cured foods and during high temperature cooking of meats and fish, and may be a disinfection byproduct.
N-nitrosodimethylamine (NDMA)	62-75-9	It was formerly used in the production of rocket fuels, anti-oxidants and softeners for copolymers. It is formed in cured foods and during high temperature cooking. It may be a leachate from rubber gaskets and fittings and may form as a disinfection byproduct.
N-nitroso-di-n-propylamine (NDPA)	621-64-7	It is formed in cured foods and during high temperature cooking of meats and fish and may be a disinfection byproduct. It is a contaminant in dinitrofluralin herbicides.

N-Nitrosodiphenylamine	86-30-6	It is used in the vulcanization of rubber and as an inhibitor of polymerization in the production of polystyrene. It may be a disinfection byproduct.
N-nitrosopyrrolidine (NPYR)	930-55-2	It is used in rubber production. It is formed in cured foods and during high temperature cooking of meats and fish and may be a disinfection byproduct.
Nonylphenol	25154-52-3	It is used in the preparation of lubricating oil additives, resins, plasticizers and antioxidants for plastic and rubber. It is an environmental degradate from nonlyphenol ethoxylate surfactants found in detergents and used in the treatment of textiles.
Norethindrone (19-Norethisterone)	68-22-4	Norethindrone is a synthetic hormone used in oral contraceptives and for hormone replacement therapy.
n-Propylbenzene	103-65-1	It is a constituent of asphalt and naphtha and used in the manufacture of methyl styrene. It is a solvent for printing and dyeing of textiles.
o-Toluidine	95-53-4	It is used in the production of dyes, rubber, pharmaceuticals and pesticides.
Oxirane, methyl	75-56-9	It is an industrial chemical used in the production of other substances. It is a registered pesticide.
Oxydemeton-methyl	301-12-2	It is an insecticide.
Oxyfluorfen	42874-03-3	It is an herbicide.

Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFOS is used in firefighting foams. It has various surfactant uses and it was used to provide soil, water and oil resistance for upholstered furniture and carpets. Many of these uses are being phased out by U.S. manufacturers.
Perfluorooctanoic acid (PFOA)	335-67-1	PFOA is used in the manufacturing of coatings which provide non-stick surfaces on cookware and in the manufacture of waterproof, breathable membranes for clothing.
Permethrin	52645-53-1	It is an insecticide.
Profenofos	41198-08-7	It is an insecticide and an acaricide.
Quinoline	91-22-5	It is a component of coal tars and used in the production of other substances, and as a pharmaceutical (anti-malarial).
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	It is an explosive.
sec-Butylbenzene	135-98-8	It is used as a solvent for coatings in organic synthesis, as a plasticizer and in surfactants.
Tebuconazole	107534-96-3	It is a fungicide.
Tebufenozide	112410- 000	It is insecticide.

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Tellurium	13494-80-9	It is a naturally-occurring element and is commonly used as sodium tellurite in bacteriology and medicine.
Thiodicarb	59669-26-0	It is an insecticide.
Thiophanate-methyl	23564-05-8	It is a fungicide.
Toluene diisocyanate	26471-62-5	It is used in the manufacturing of plastics.
Tribufos	78-48-8	It is an insecticide and used as a cotton defoliant.
Triethylamine	121-44-8	It is used in the production of other substances, as a stabilizer in herbicides and pesticides, in consumer products, in photographic chemicals and in carpet cleaners.
Triphenyltin hydroxide (TPTH)	76-87-9	It is a pesticide.
Urethane	51-79-6	It is a paint and coating ingredient (polyurethanes).
Vanadium	7440-62-2	It is a naturally-occurring element. Vanadium pentoxide is a catalyst for the production of other substances

catalyst. It is sometimes an ingredient in mineral supplements but is not classified as an essential nutrient

Vinclozolin 50471-44-8 It is a fungicide.

Ziram 137-30-4 It is a fungicide.

¹ **Chemical Abstract Service Registration Number (CASRN#)** - Chemical abstract service registry numbers are used in reference works, databases, and regulatory compliance documents by many organizations around the world to identify substances with a standardized name.