Chemicals at a glance

Chemicals Management Plan information sheets are a series of short fact sheets about chemical substances and micro-organisms that are being (or have been) assessed in Canada for their possible risks to human health and the environment.

Please note that the information sheets will be revised, from time to time, as substances move through the various technical and regulatory stages of the risk assessment and risk management processes.

- Micro-organisms
- Other chemical substances of interest
- Petroleum substances
- Substances addressed in the third phase of the Chemicals Management Plan
- Substance Groupings Initiative
- The Challenge

Micro-organisms

Priority A

- Aspergillus awamori ATCC 22342 and Aspergillus brasiliensis ATCC 9642
- Aspergillus oryzae ATCC 11866

- Bacillus cereus ATCC 14579
- Domestic Substances List Bacillus licheniformis / subtilis group strains
    - Bacillus licheniformis ATCC 12713
    - Bacillus subtilis subspecies inaquosorum ATCC 55406
    - Bacillus species 4 18121-4
- Enterobacter aerogenes ATCC 13048
- Escherichia hermannii
- Pseudomonas aeruginosa
- Pseudomonas fluorescens ATCC 13525
- Pseudomonas stutzeri ATCC 17587

See more technical information about substances in Priority A (Higher Hazard) Micro-organisms.

Priority B

- Bacillus circulans ATCC 9500
- Bacillus megaterium ATCC 14581
- Bacillus thuringiensis ATCC 13367
- Candida utilis ATCC 9950
- Chaetomium globosum ATCC 6205
- Domestic Substances List Bacillus licheniformis / subtilis group strains
    - Bacillus amyloliquefaciens 13563-0
    - Bacillus atrophaeus 18250-7
    - Bacillus subtilis ATCC 6051A
    - Bacillus subtilis ATCC 55405
    - Bacillus subtilis subspecies subtilis ATCC 6051
    - Bacillus species 16970-5
    - Bacillus species 2 18118-1
    - Bacillus species 7 18129-3
- Micrococus luteus ATCC 4698

- Paenibacillus polymyxa ATCC 842, ATCC 55407, 13540-4
- Pseudomonas putida ATCC 12633, ATCC 31483, ATCC 31800, ATCC 700369
- Pseudomonas species ATCC 13867
- Saccharomyces cerevisiae F53
- Trichoderma reesei ATCC 74252

See more technical information about substances in Priority B (Medium Hazard) Micro-organisms.

Priority C

- Arthobacter globiformis ATCC 8010
- Cellulomonas biazotea ATCC 486
- Lot 1
- Lot 2

See more technical information about substances in Priority C (Low Hazard) Micro-organisms.

Other chemical substances of interest

- Acetone
- Aluminum Salts
- Aniline
- Atrazine
- BDTP
- Biphenyl
- Certain Substances on the Domestic Substances List Used Primarily as Pharmaceuticals
- Chlorhexidine and its salts
- Chlorinated Alkanes

- Chlorinated Naphthalenes (CNs)
- Chlorophacinone
- Chlorothalonil
- Chromium
- Decabromodiphenyl Ether (decaBDE)
- DNOC
- Ethene
- Ethylbenzene
- Ethylene Glycol
- Hexabromocyclododecane (HBCD)
- Hexachloroethane
- Hexachlorobutadiene
- Hydrogen sulfide (H_2S), sodium sulfide (Na(SH)) and sodium sulfide (Na_2S)
- Lead
- Lindane
- Long-Chain Perfluorocarboxylic Acids (PFCAs) that Contain from 9 to 20 Carbon Atoms (C9-C20), Their Salts and Their Precursors
- MBMBP
- Mercury and its Compounds
- Methoxychlor
- Microbeads
- Nineteen Substances on the Domestic Substances List Associated with Pesticidal Uses
- Organotin substances
- Pentachlorobenzene
- Pentachlorophenol
- Perfluorooctanoic Acid (PFOA), Its Salts and Its Precursors
- Perfluorooctane Sulfonate (PFOS)
- Phthalates

- Plastic (pollution)
- Polybrominated Diphenyl Ethers (PBDEs)
- Polychlorinated Biphenyls (PCBs)
- Propene
- Quinoline
- Tetrabromobisphenol A (TBBPA and two of its derivative substances)
- Triclosan
- Trifluralin
- 1,1-Dichloroethene
- 1,2-Dibromoethane
- 2-Butoxyethanol
- 2-Methoxyethanol

See more technical information about other chemical substances of interest.

Petroleum substances

Substances in Stream 0

- Coal Tars and their Distillates

See more technical information about substances in Stream 0 of the Petroleum Sector Stream Approach.

Substances in Stream 1

- Site-Restricted Gas Oils
- Site-Restricted Heavy Fuel Oils (Site-Restricted HFOs)
- Site-Restricted Low Boiling Point Naphthas
- Site-Restricted Petroleum and Refinery Gases

See more technical information about substances in Stream 1 of the Petroleum Sector Stream Approach.

Substances in Stream 2

- Industry-Restricted Gas Oils
- Industry-Restricted Heavy Fuel Oils (Industry-Restricted HFOs)
- Industry-Restricted Low Boiling Point Naphthas
- Industry-Restricted Petroleum and Refinery Gases

See more technical information about substances in Stream 2 of the Petroleum Sector Stream Approach.

Substances in Stream 3

- Aviation Fuels
- Fuel Oil No. 2
- Fuel Oil No. 4, Fuel Oil No. 6 and Residual Fuel Oil

See more technical information about substances in Stream 3 of the Petroleum Sector Stream Approach.

Substances in Stream 4

- Asphalt and Oxidized Asphalt
- Distillate Aromatic Extracts
- Liquefied Petroleum Gases (Stream 4 petroleum and refinery gases)
- Natural Gas Condensates
- Petrolatum and Waxes
- Stream 4 Heavy Fuel Oils (Stream 4 HFOs)

See more technical information about substances in Stream 4 of the Petroleum Sector Stream Approach.

Substances addressed in the third phase of the Chemicals Management Plan

- Acetic acid
- Acetic anhydride
- Acetonitrile (Nitriles Group)
- Acids and Bases Group
- Acrylates and Methacrylates Group
- Alcohols Group
- Aldehydes Group
- Aluminum-containing Substances Group
- Aliphatic Amines Group
- Aliphatic Diesters Group
- Alkanolamines and Fatty Alkanolamides Group
- Alkyl Aryl Phosphites Group
- Alkyl Halides Group
- Alkyl Imidazolines Group
- Alkyl Sulfates and α-Olefin Sulfonate Group
- Anthraquinones Group
- Antimony-containing Substances Group
- Arenes Group
- Base oils
- Benzoates Group
- Benzophenone
- Benzotriazoles and Benzothiazoles Group
- Calcium 2-ethylhexanoate and 2-ethylhexyl-2-ethylhexanoate
- Caprolactam
- Carboxylic Acid Anhydrides Group
- Carboxylic Acids Group
- Chloral hydrate

- Chlorocresol
- Commercial Naphthenic Acids Group
- Copper and its compounds
- Coumarin 1
- Corn, Steep Liquor
- Cyanides
- Decenes Group
- Diazenedicarboxamide
- Dicyclopentadiene (DCPD)
- Dimethoxymethane
- Dinoseb
- DTPMP
- EDTA and its Salts Group
- Epoxides and Glycidyl Ethers Group
- Epoxy Resins Group
- Esters Group
- Ethylene Glycol Ethers Group
- Ethylene thiourea (ETU)
- Eugenol and Isoeugenol Derivatives Group
- Fatty Acids and Derivatives Group
- Fatty Amides Group
- Flame Retardants Group
- Fluorescent brightener 367
- Formic Acid and Formates Substance Group
- Furan Compounds Group
- Gas Oils and Kerosenes with Uses in Products Available to Consumers Group
- Heptamethylnonane
- Heterocycles Group
- Hexamethylenetetramines Group

- Isophorone diisocyanate
- Ketones Group
- *Lotus corniculatus* extract
- Low Boiling Point Naphthas Group
- Macrocyclic Lactones and Ketones, Ionones and Cyclohexanone Group
- Naphthalene Sulfonic Acids and Salts (NSAs) Group
- Nitro Musks Group
- Nitrilotriacetic acid trisodium salt (Na3NTA)
- NMP and NEP
- Organic Peroxides Group
- Other Polymers Group
- Parabens Group
- Per- and polyfluoroalkyl substances (PFAS)
- Petroleum Coke Group
- Pigments and Dyes Group
- Phenacetin
- Phenol, methylstyrenated
- Phenol-Formaldehyde Resins Group
- Piperazine
- Poly(alkoxylates/ethers) Group
- Poly(amines) Group
- Poly(bios) Group
- Phosphoric Acid Derivatives Group
- Protein Derivatives and Yeast Extract Group
- PTSA (p-Toluenesulfonic acid)
- Resins and Rosins Group
- Salicylates Group
- Sector-specific Inorganic UVCBs Group
- Select hydrocarbon-based substances
- Selected C3-C5 alcohols group

- Seven Hydrocarbon-based substances
- Short-chain alkanes
- Siloxanes Group
- Sucrose acetate isobutyrate
- Silver and its compounds
- Sodium Cyclamate and Cyclohexylamine
- Sodium Ortho-phenylphenate (SOPP)
- Stilbenes Group
- Substances identified as being of low concern using the ecological risk classification of inorganic substances and 3 human health science approaches
- Substances identified as being of low concern using the ecological risk classification of inorganic substances and biomonitoring or rapid screening science approaches
- Substituted Phenols Group
- Sulfurized isobutylene
- Sulfurized lard oil
- Talc
- Terpenes (Acyclic, Monocyclic, and Bicyclic Monoterpenes Group)
- Terpenes (Monocyclic and Bicyclic Sesquiterpenes Group)
- Terpenes (Phenylpropanoids and Aldehydes Group)
- Terpenes (Fourteen Terpene and Terpenoid Substances Group)
- Terpenes (Tricyclic Sesquiterpenes and Triterpenoids Group)
- Thallium and its compounds
- Thiocarbamates Group
- Thiols Group
- Thiophosphate Alkyl Esters Group
- Titanium-containing Substances Group
- TMSS
- Triarylmethanes Group

- Triazines and Triazole Group
- Triclocarban
- Trimellitates Group
- Used and Re-refined Oils Group
- Zinc and its compounds
- 1-Nitropropane
- 2-MBS
- 4-Vinylcyclohexene (4-VCH)

See more technical information about Substances addressed in the third Phase of the Chemicals Management Plan.

Substance Grouping Initiative

Aromatic Azo and Benzidine-based Substance Grouping

- Azo basic dyes
- Certain Aromatic Amines
- Certain Azo Direct Dyes and Azo Reactive Dyes
- Certain Azo Disperse Dyes
- Certain Azo Metal Complexes and other Azo substances
- Certain Azo Solvent Dyes
- Certain Benzidine-based Dyes and related substances
- Certain Monoazo Pigments
- Diarylide Yellow Pigments

See more technical information about substances in the Aromatic Azo and Benzidine-based Substance Grouping.

Boron-containing Substances

- Boric acid, its salts and its precursors

See more technical information about Boric Acid, its Salts and Precursors.

Certain Organic Flame Retardants Substance Grouping

- ATE
- DBDPE
- DP
- EBTBP
- Melamine
- TBB and TBPH
- TCP
- TCPP and TDCPP

See more technical information about substances in the Certain Organic Flame Retardants Substance Grouping.

Cobalt-containing Substance Grouping

- Cobalt and cobalt-containing substances

See more technical information about substances in the Cobalt-containing Substance Grouping.

Internationally Classified Substance Grouping

- AEEA
- Cresols
- Ethyl carbamate

See more technical information about substances in the Internationally Classified Substance Grouping.

Methylenediphenyl Diisocyanates and Diamine (MDI/MDA) Substance Grouping

- Methylenediphenyl diisocyanates and diamine (MDI/MDA) substances

See more technical information about substances in the MDI/MDA Substance Grouping.

Phthalate Substance Grouping

- Phthalate substances

See more technical information about substances in the Phthalate Substance Grouping.

Selenium-containing Substance Grouping

- Selenium and its compounds

See more technical information about substances in the Selenium-containing Substance Grouping.

Substituted Diphenylamine (SDPA) Substance Grouping

- Substituted diphenylamine (SDPA) substances

See more technical information about substances in the Substituted Diphenylamine Substance Grouping.

The Challenge

Substances in Batch 1

- Catechol
- CHPD
- DBTMC
- DMBP
- DMHBP
- Ethyloxirane
- Hydroquinone
- Methyloxirane
- Naphthalene
- Pigment Orange 38
- Pigment Red 187
- Pigment Red 247:1
- Toluene Diisocyanates (TDIs)

See more technical information about substances in Batch 1 of the Challenge.

Substances in Batch 2

- Acid Blue 80
- Acid Green 40:1
- ADIBSS
- AMS
- Bisphenol A
- C.I. Pigment Red 104
- C.I. Pigment Yellow 34
- D & C Red No. 21

- Epichlorohydrin
- Isoprene
- Siloxane D4
- Siloxane D5
- Siloxane D6
- Tetramethyl-m-xylylene diisocyanate
- Thiourea
- Vinyl acetate
- 2,4,6-tri-tert-buthylphenol

See more technical information about substances in Batch 2 of the Challenge.

Substances in Batch 3

- Acid Blue 127
- Acid Violet 48
- Disperse Blue 19
- Disperse Blue 77
- Disperse Red 86
- Disperse Violet 57
- PBMBDP
- PDDAM
- Pigment Orange 2
- Pigment Orange 5
- Pigment Red 3
- Pigment Red 4
- Pigment Red 5
- Pigment Red 6
- Pigment Red 251
- 2-Ethoxyethanol acetate

- 2-Methoxyethanol acetate
- 2-Methoxy-1-propanol
- 2-(2-Methoxyethoxy)ethanol

See more technical information about substances in Batch 3 of the Challenge.

Substances in Batch 4

- ATACP
- ATAE
- ATAEP
- BNST
- BODPA
- Bromcresol purple
- Bromophenol blue
- Bromophthalein Magenta E
- Butane
- Clomipramine hydrochloride
- Diethyl sulphate
- Dimethyl sulfate
- DMTBA
- Hexane
- Isobutane
- PBTBO
- Xylenol blue
- 3,3',4',5-tetrachlorosalicylanilide

See more technical information about substances in Batch 4 of the Challenge.

Substances in Batch 5

- AADM
- Acrylamide
- ANAM
- BANAP
- BDAP
- Chloroacetamide
- C.I. Disperse Blue 79
- C.I. Disperse Brown 1
- C.I. Disperse Brown 1:1
- C.I. Disperse Orange 5
- C.I. Disperse Orange 30
- C.I. Disperse Orange 61
- C.I. Disperse Red 167
- DMAC
- DNAN
- EDD
- Formamide
- TBP
- TCEP

See more technical information about substances in Batch 5 of the Challenge.

Substances in Batch 6

- Acid Red 111
- BPAOPB
- Benzyl chloride
- DHNUP
- Direct Black 38

- Disperse Orange 13
- Disperse Orange 29
- Disperse Yellow 7
- Disperse Yellow 23
- Disperse Yellow 68
- DMEP
- Methyl chloride
- MMMP
- Solvent Orange 7
- Solvent Red 1
- Solvent Red 3
- Solvent Red 23
- 3-Chloropropene

See more technical information about substances in Batch 6 of the Challenge.

Substances in Batch 7

- DADM
- DAPEP
- Isophorone
- MATCB
- Michler's ketone
- NBATP
- n-BGE
- Pigment Brown 22
- Pigment Yellow 60
- Solvent Blue 4
- Solvent Blue 5
- Solvent Yellow 18

- 1,4-Dioxane
- 2-Butanone, oxime

See more technical information about substances in Batch 7 of the Challenge.

Substances in Batch 8

- Benzenepropanoic acid ester
- BHA
- DTBSBP
- FAZ
- MAPBAP acetate
- Nitromethane
- NTA
- Phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, calcium salt (2:1)
- PTPTT
- Tetrachloroveratrole
- Zinc BDBP
- 1,3,5-tribromobenzene
- 2-Nitropropane
- 2-Nitrotoluene

See more technical information about substances in Batch 8 of the Challenge.

Substances in Batch 9

- Antimony oxide
- BADAC
- BDN

- Eosine Lead Lake
- Methyl eugenol
- NDTHPM
- ODHO
- PEDA
- Pigment Red 88
- Pigment Red 181
- Pigment Yellow 24
- Potassium bromate
- Solvent Red 48
- Solvent Red 49
- TGOPE
- Vanadium pentoxide
- 1-Vinyl-2-pyrrolidone

See more technical information about substances in Batch 9 of the Challenge.

Substances in Batch 10

- Nickel BHMB
- HRPE
- Rosin, hydrogenated
- HRGE
- HRTE
- TIDTE
- RFBS
- Hydrazine
- Diuron
- Elemental cobalt
- Cobalt chloride

- Cobalt sulfate

See more technical information about substances in Batch 10 of the Challenge.

Substances in Batch 11

- BENPAT
- BENTAX
- DEHA
- Dimethoxytrityl chloride
- Ethanedial
- Ethyl acrylate
- Furfural
- MDnM-hydride
- MHDnMH
- MVTFS
- Phenyl-D4
- PMEI
- PREPOD
- Trichloro-2-hydroxydiphenyl ether
- Triphenylbismuth
- 2-EHA

See more technical information about substances in Batch 11 of the Challenge.

Substances in Batch 12

- ANMOM
- BAPP
- Carbon black

- CPPP
- Cristobalite
- Diphenylguanidine
- HMSSA
- M4Q
- MDM
- Mitotane
- Musk moskene
- OMSSA
- Pyridine, alkyl derivatives
- Quartz
- Sclareol

See more technical information about substances in Batch 12 of the Challenge.

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