

TSCA Work Plan for Chemicals Assessments: 2014 Update

This document updates the June 2012 TSCA Work Plan for Chemical Assessment. The TSCA Work Plan Chemicals Methods Document explains the hazard, exposure, and persistence/bioaccumulation criteria, the data sources used, and how chemicals were scored. The 2014 Update describes why changes were made.

	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
1	Acetaldehyde	Added 2012	Possible human carcinogen	3	Used in consumer products Present in drinking water, indoor environments, ambient air, and groundwater High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	75-07-0
2	Acrylonitrile	Added 2012	Probable human carcinogen	3	Widely used in consumer products Present in indoor environments, surface water, ambient air, and groundwater High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Dispersive Industrial	Not yet initiated	107-13-1
3	tert-Amyl methyl ether	Added 2012	Chronic toxicity Central nervous system effects Potential carcinogenicity to specific target organs	2	Widely used in consumer products Present in drinking water, surface water, and ambient air Estimated to have moderate releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	994-05-8

Notes:

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4	Anthra[2,1,9-def:6,5,10-d'e'f] diisoquinoline-1,3,8,10(2H,9H)-tetrone (Pigment Violet 29)	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have moderate releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	81-33-4
5	Antimony & Antimony Compounds	Added 2012	Possible human carcinogen Developmental and reproductive toxicity Acute and chronic toxicity from inhalation exposures	3	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, and soil High reported releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	3	Consumer Industrial	Final assessment complete August 2014	Category
6	Arsenic & Arsenic Compounds	Added 2012	Known human carcinogens Neurotoxicity Central nervous system effects Acute and chronic toxicity from inhalation exposures	3	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, soil High reported releases to the environment	2	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	Category
7	Asbestos & Asbestos-like Fibers	Added 2012	Known human carcinogens Acute and chronic toxicity from inhalation exposures	3	Widely used in consumer products Present in indoor environments	3	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	Category

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8	<i>Barium Carbonate</i>	<i>Added 2014</i>	<i>Acute toxicity</i>	3	<i>Used to manufacture paper, special glass, ceramics, bricks, enamels, paints, rubber, electrodes, and barium salts; used in oil well drilling, especially through gypsum; used in brines as a precipitant</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Consumer Industrial</i>	<i>Not yet initiated</i>	<i>513-77-9</i>
9	Benzenamine	Added 2012	Probable human carcinogen	3	Used in consumer products Present in ambient air, groundwater, and soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	62-53-3
10	Benzene	Added 2012	Known human carcinogen	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Dispersive Industrial	Not yet initiated	71-43-2

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11	<i>Bisphenol A (BPA)</i>	<i>Added 2014</i>	<i>Reproductive toxicity</i>	3	<i>Electrical and electronics equipment, optical media, linings in drinking water pipes, thermal paper coatings, automotive and transportation equipment</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Consumer Industrial</i>	<i>Not yet initiated</i>	<i>80-05-7</i>
12	1-Bromopropane	Added 2012	Possible human carcinogen	3	Widely used in consumer products Present in drinking water, indoor environments, surface water, ambient air, groundwater, soil Estimated to have high releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Dispersive Industrial	Initiated 2013	106-94-5
13	1,3-Butadiene	Added 2014	Known human carcinogen	3	Major commodity product of the petrochemical industry, usually produced as a by-product of ethylene Increasing usage in the formation of rocket fuels, plastics, resins, and commercial latex paints Reported uses in plastic products, textiles, apparel	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	106-99-0

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14	Butanamide, 2,2'-[(3,3'-dichloro[1,1'- biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5 - dimethoxyphenyl)-3-oxo- (Pigment Yellow 83)	Added 2012	Acute toxicity	2	Used in consumer products Estimated to have high releases to the environment	3	High environmental persistence High bioaccumulation potential	3	Consumer Industrial	Not yet initiated	5567-15-7
15	Butanamide, 2-[(4-methoxy-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo- (Pigment Yellow 65)	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have high releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Consumer	Not yet initiated	6528-34-3
16	<i>Butyl benzyl phthalate (BBP) 1,2-Benzene-dicarboxylic acid, 1-butyl 2(phenylmethyl) ester</i>	<i>Added 2014</i>	<i>Chronic aquatic toxicity</i>	3	<i>Most widely used stain-resistant plasticizer in poly(vinyl chloride) Widely used in vinyl tile Used in commercial/ industrial products</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Industrial Commercial Consumer</i>	<i>Not yet initiated</i>	<i>85-68-7</i>
17	4-sec-Butyl-2,6-di-tert-butylphenol	Added 2012	Chronic toxicity	2	Widely used in consumer products Estimated to have moderate releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Not yet initiated	17540-75-9

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18	Cadmium & Cadmium Compounds	Added 2012	Known human carcinogens Chronic cardiovascular, renal and musculoskeletal effects Acute and chronic toxicity from inhalation exposures	3	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, soil High reported releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	3	Consumer Industrial	Not yet initiated	Category
19	Carbon tetrachloride	Added 2012	Probable human carcinogen	3	Used in commercial/industrial products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Industrial	Not yet initiated	56-23-5
20	Chromium & Chromium Compounds	Added 2012	Known human carcinogens Reproductive toxicity Developmental toxicity Acute and chronic toxicity from inhalation exposures	3	Used in commercial/industrial products Present in ambient air High reported releases to the environment	1	High environmental persistence Moderate bioaccumulation potential	3	Industrial	Not yet initiated	Category

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21	Cobalt & Cobalt Compounds	Added 2012	Cardiovascular and central nervous system effects Acute and chronic toxicity from inhalation exposures	3	Used in consumer products Present in biomonitoring, surface water, ambient air, soil High reported releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	3	Industrial	Not yet initiated	Category
22	Creosotes	Added 2012	Probable human carcinogen	3	Widely used in consumer products Present in groundwater, soil High reported releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Industrial	Not yet initiated	8001-58-9
23	Cyanide Compounds (Limited to dissociable compounds)	Added 2012	Neurotoxicity Reproductive toxicity Central nervous system effects	3	Widely used in consumer products Present in drinking water, surface water, and soil High reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	Category

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24	<i>Decabromodiphenyl ethers (DecaBDE)</i>	<i>Added 2014</i>	<i>Developmental toxicity Aquatic toxicity</i>	3	<i>Has been widely used in textiles, plastics and polyurethane foam as flame retardants. Articles which were often treated with PBDEs include textiles such as carpets and upholstery fabric; cushions; plastics used as components in electrical appliances, devices, and equipment in consumer, commercial, and industrial use; and building and construction materials.</i>	3	<i>High environmental persistence High bioaccumulation potential</i>	3	<i>Consumer Commercial Industrial</i>	<i>Not yet initiated</i>	<i>1163-19-5</i>
25	<i>Dibutyl phthalate (DBP) (1,2-Benzene-dicarboxylic acid, 1,2-dibutyl ester)</i>	<i>Added 2014</i>	<i>Chronic aquatic toxicity</i>	3	<i>Used in cosmetics, medical supplies, textiles, propellant, food packaging, dental material, and paper. Used in the manufacture of plastics, paints, wood varnishes, and lacquers.</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Industrial Commercial Consumer</i>	<i>Not yet initiated</i>	<i>84-74-2</i>

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26	o-Dichlorobenzene	Added 2012	Chronic toxicity	2	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air and groundwater Moderate reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Dispersive Industrial	Not yet initiated	95-50-1
27	p-Dichlorobenzene	Added 2012	Possible human carcinogen	3	Widely used in consumer products Present in biomonitoring, drinking water, ambient air, surface water, groundwater, soil Moderate reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	106-46-7
28	<i>3,3'-Dichlorobenzidine</i>	<i>Added 2014</i>	<i>Probable human carcinogen</i>	3	<i>Used in the production of dyes</i>	2	<i>Moderate environmental persistence Low bioaccumulation potential</i>	2	<i>Industrial</i>	<i>Not yet initiated</i>	<i>91-94-1</i>
29	3,3'-Dichlorobenzidine dihydrochloride	Added 2012	Probable human carcinogen	3	Used in consumer products Relatively small reported releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	612-83-9

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30	1,1-Dichloroethane	Added 2012	Mutagenicity	2	Used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, groundwater, soil Moderate reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	75-34-3
31	1,2-Dichloroethane	Added 2012	Possible human carcinogen	3	Used in commercial/industrial products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	107-06-2
32	trans-1,2-Dichloroethylene	Added 2012	Chronic toxicity	2	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, groundwater, soil	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	156-60-5

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33	1,2-Dichloropropane	Added 2012	Acute mammalian toxicity	2	Used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	78-87-5
34	<i>Dicyclohexyl phthalate</i>	<i>Added 2014</i>	<i>Acute and chronic aquatic toxicity</i>	<i>3*</i>	<i>Plasticizer; heat sealer for cellulose; heat sealer for paper finishes (labels, pharmaceutical labels, price labels)</i>	3	<i>Low environmental persistence</i> <i>Low bioaccumulation potential</i>	1	<i>Consumer</i> <i>Industrial</i>	<i>Not yet initiated</i>	<i>84-61-7</i>
35	<i>Di-ethylhexyl phthalate (DEHP)</i> <i>(1,2-Benzene-dicarboxylic acid, 1,2-bis(2-ethylhexyl) ester)</i>	<i>Added 2014</i>	<i>Chronic aquatic toxicity</i>	3	<i>Widely used in medical devices, such as intravenous tubing and blood bags</i> <i>Widely used in consumer products and construction-related products</i>	3	<i>Low environmental persistence</i> <i>Low bioaccumulation potential</i>	1	<i>Industrial</i> <i>Commercial</i> <i>Consumer</i>	<i>Not yet initiated</i>	<i>117-81-7</i>

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36	<i>Di-isobutyl phthalate (DIBP)</i> <i>(1,2-Benzene-dicarboxylic acid, 1,2-bis-(2methylpropyl) ester)</i>	<i>Added 2014</i>	<i>Reproductive toxicity</i>	1	<i>Specialty plasticizer often combined with other phthalates</i> <i>Used in printing inks</i> <i>Used in nitrocellulose, cellulose ether, and polyacrylate and polyacetate dispersions</i>	2	<i>Low environmental persistence</i> <i>Low bioaccumulation potential</i>	1	<i>Industrial</i> <i>Commercial</i> <i>Consumer</i>	<i>Not yet initiated</i>	84-69-5
37	<i>Di-isodecyl phthalate (DIDP)</i> <i>(1,2-Benzene-dicarboxylic acid, 1,2-diisodecyl ester)</i>	<i>Added 2014</i>	<i>Developmental toxicity</i>	3	<i>Used in cosmetics, medical supplies, textiles, propellant, food packaging, dental material, and paper</i> <i>Used in the manufacture of plastics, paints, wood varnishes, and lacquers</i>	3	<i>Low environmental persistence</i> <i>Low bioaccumulation potential</i>	1	<i>Industrial</i> <i>Commercial</i> <i>Consumer</i>	<i>Not yet initiated</i>	26761-40-0
38	<i>Di-isononyl phthalate (DINP)</i> <i>(1,2-Benzene-dicarboxylic acid, 1,2-diisononyl ester)</i>	<i>Added 2014</i>	<i>Developmental toxicity</i>	2	<i>Commonly used as plasticizer in poly(vinyl chloride) applications</i>	3	<i>Low environmental persistence</i> <i>Low bioaccumulation potential</i>	1	<i>Industrial</i> <i>Commercial</i> <i>Consumer</i>	<i>Not yet initiated</i>	28553-12-0
39	1,2-Dimethoxyethane (Monoglyme)	Added 2012	Reproductive toxicity Developmental toxicity Chronic toxicity	3	Widely used in consumer products Estimated to have high releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	110-71-4

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40	<i>2-Dimethylaminoethanol</i>	<i>Added 2014</i>	<i>Acute toxicity</i>	3	<i>Intermediate in the synthesis of dyestuffs, textile, auxiliaries, pharmaceuticals and corrosion inhibitors, emulsifiers in paints and coatings Some uses in adhesives and sealants</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Industrial</i>	<i>Not yet initiated</i>	<i>108-01-0</i>
41	<i>Di-n-octyl phthalate (DnOP) (1,2-Benzene-dicarboxylic acid, 1,2-dioctyl ester)</i>	<i>Added 2014</i>	<i>Reproductive toxicity</i>	2	<i>Commonly used as plasticizer in poly(vinyl chloride) applications</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Industrial Commercial Consumer</i>	<i>Not yet initiated</i>	<i>117-84-0</i>
42	1,4-Dioxane	Added 2012	Possible human carcinogen	3	Widely used in consumer products Present in groundwater, ambient air and indoor environments High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Dispersive Industrial	Initiated 2014	123-91-1
43	Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,5,5-tetramethyl-2-naphthalenyl)-	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have high releases to the environment	3	Moderate environmental persistence High bioaccumulation potential	3	Consumer Industrial	Not yet initiated	54464-59-4
44	Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	Added 2012	Aquatic toxicity	1*	Widely used in consumer products Estimated to have high releases to the environment	3	Moderate environmental persistence High bioaccumulation potential	3	Consumer Industrial	Not yet initiated	54464-57-2

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45	Ethanone, 1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have high releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Not yet initiated	68155-67-9
46	Ethanone, 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have high releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Not yet initiated	68155-66-8
47	Ethylbenzene	Added 2012	Possible human carcinogen	3	Used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	100-41-4
48	Ethylene dibromide	Added 2012	Probable human carcinogen	3	Used in commercial/industrial products Present in drinking water, indoor environments, surface water, ambient air, groundwater, soil Relatively small reported releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	106-93-4

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49	bis(2-Ethylhexyl) adipate	Added 2012	Possible human carcinogen	3	Widely used in consumer products Present in drinking water, and indoor environments Estimated to have high releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	103-23-1
50	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (TBB)	Added 2012	Developmental toxicity Acute and chronic aquatic toxicity	2	Used in consumer products Present in indoor environments and soil	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Initiated 2013	183658-27-7
51	bis(2-Ethylhexyl) - 3,4,5,6-tetrabromophthalate (TBPH)	Added 2012	Developmental toxicity Acute and chronic aquatic toxicity	2	Used in consumer products Present in indoor environments Estimated to have moderate releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Initiated 2013	26040-51-7
52	Formaldehyde	Added 2012	Known human carcinogen	3	Used in consumer products Present in indoor environments, drinking water, ambient air, and groundwater High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	50-00-0

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53	<i>2,5-Furandione</i>	<i>Added 2014</i>	<i>Acute and chronic aquatic toxicity</i>	<i>3*</i>	<i>Chemical intermediate for thousands of substances including lubricating oil additives, personal care products, adhesives, floor polishes, water treatment chemicals, detergents, paper sizing, epoxy curing agents, and leather treatment</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Industrial</i>	<i>Not yet initiated</i>	108-31-6
54	<i>Hexabromocyclododecane (HBCD)</i>	<i>Added 2014</i>	<i>Acute aquatic toxicity</i>	<i>3*</i>	<i>Flame retardant in extruded polystyrene foam, textiles, and electrical and electronic appliances</i>	3	<i>High environmental persistence High bioaccumulation potential</i>	3	<i>Consumer</i>	<i>Initiated 2013</i>	3194-55-6
55	Hexachlorobutadiene	Added 2012	Possible human carcinogen	3	Present in indoor environments, surface water, ambient air, groundwater, soil Relatively small reported releases to the environment	2	High environmental persistence High bioaccumulation potential	3	Industrial	Not yet initiated	87-68-3
56	1-Hexadecanol	Added 2012	Chronic toxicity	2	Widely used in consumer products Present in surface water, ambient air, and soil Estimated to have high releases to the environment	3	Low environmental persistence Moderate bioaccumulation potential	2	Consumer Dispersive Industrial	Not yet initiated	36653-82-4

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57	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta [g]-2-benzopyran (HHCB)	Added 2012	Developmental toxicity	2	Widely used in consumer products Present in biomonitoring Estimated to have high releases to the environment	3	Moderate environmental persistence Moderate bioaccumulation potential	2	Consumer Dispersive	Final assessment complete August 2014	1222-05-5
58	<i>2-Hydroxy-4-(octyloxy) benzophenone</i>	Added 2014	<i>Acute and chronic aquatic toxicity</i>	3*	<i>UV stabilizer for polymers; used in rubber and plastic products Numerous food packaging uses (especially as a stabilizer for petroleum wax)</i>	3	<i>Low environmental persistence Low bioaccumulation potential</i>	1	<i>Consumer Commercial</i>	<i>Not yet initiated</i>	1843-05-6
59	Lead & Lead Compounds	Added 2012	Neurotoxicity Developmental toxicity Reproductive toxicity	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, soil High reported releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	3	Consumer Industrial	Not yet initiated	Category
60	Long-chain chlorinated paraffins (C18-20)	Added 2012	Chronic toxicity to target organs including the liver, kidneys and thyroid Aquatic toxicity	2	Present in biomonitoring, surface water, and soil Used in commercial/ industrial products	2	High environmental persistence High bioaccumulation potential	3	Industrial Dispersive	Initiated 2012	Category

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
61	Medium-chain chlorinated paraffins (C14-17)	Added 2012	Chronic toxicity to target organs including the liver, kidneys and thyroid Aquatic toxicity	2	Used in consumer products Estimated to have high releases to the environment	2	High environmental persistence High bioaccumulation potential	3	Consumer Dispersive Industrial	Initiated 2012	Category
62	Methylene chloride	Added 2012	Probable human carcinogen	3	Widely used in consumer products Present in drinking water, indoor environments, ambient air, groundwater, and soil High reported	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Final assessment complete August 2014. Pursuing risk reduction	75-09-2
63	4,4'-Methylene bis(2-chloroaniline)	Added 2012	Known human carcinogen	3	Widely used in consumer products Present only in ambient air Relatively small reported releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	101-14-4
64	<i>4,4'-(1-Methylethylidene)bis[2,6-dibromophenol] (TBBPA)</i>	<i>Added 2014</i>	<i>Acute aquatic toxicity</i>	<i>2*</i>	<i>Flame retardant in epoxy resin circuit boards and in electronic enclosures</i>	3	<i>High environmental persistence Low bioaccumulation potential</i>	2	<i>Consumer</i>	<i>Not yet initiated</i>	79-94-7
65	N-Methyl-2-pyrrolidone (NMP)	Added 2012	Reproductive toxicity	3	Widely used in consumer products Present in drinking water and indoor environments High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Initiated 2012	872-50-4

Notes:

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
66	<i>Molybdenum and Molybdenum Compounds</i>	<i>Added 2014</i>	<i>Chronic toxicity</i>	<i>1</i>	<i>Alloying agent in cast iron, steel, and super alloys to increase hardenability, strength, toughness, and corrosion resistance Used for electrical lead-in (in halogen lamps and electric furnaces) and wear-resistant coatings for machine & engine parts Also used in glass and nuclear energy industries</i>	<i>3</i>	<i>High environmental persistence Moderate bioaccumulation potential</i>	<i>3</i>	<i>Consumer Industrial</i>	<i>Not yet initiated</i>	<i>Category</i>
67	Naphthalene	Added 2012	Possible human carcinogen	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	91-20-3
68	2-Naphthalenecarboxylic acid, 4-[(4-chloro-5-methyl-2-sulphophenyl)azo]-3-hydroxy-, calcium salt (1:1) (Pigment Red 52)	Added 2012	Aquatic toxicity	3*	Widely used in consumer products Estimated to have moderate releases to the environment	2	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	17852-99-2

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
69	Nickel & Nickel Compounds	Added 2012	Known human carcinogens Acute and chronic toxicity from inhalation exposures	3	Used in consumer products Present in ambient air High reported releases to the environment	2	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	Category
70	N-Nitroso-diphenylamine	Added 2012	Probable human carcinogen	3	Used in consumer products Present in surface water, groundwater, soil Relatively small reported releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	86-30-6
71	<i>Nonylphenol and Nonylphenol Ethoxylates (NP/NPEs)</i>	Added 2014	<i>Reproductive toxicity Developmental toxicity Aquatic toxicity</i>	3	<i>In industrial detergents as well as other cleaners, degreasers (some for consumer use), and dry cleaning Industrial uses include petroleum dispersants, emulsifiers, wetting agents, adhesives, paper and textile processing formulations, prewash spotters, metalworking fluids, some paints and coatings, and dust control agents</i>	3	<i>Moderate environmental persistence Moderate bioaccumulation potential</i>	2	<i>Commercial Industrial</i>	<i>Not yet initiated</i>	<i>Category</i>

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
72	Octamethylcyclotetra-siloxane (D4)	Added 2012	Reproductive toxicity	2	Used in consumer products Present in biomonitoring, drinking water, indoor environments, and surface water Estimated to have high releases to the environment	3	Moderate environmental persistence High bioaccumulation potential	3	Consumer Dispersive Industrial	Initiated 2012	556-67-2
73	4-tert-Octylphenol (4-(1,1,3,3-Tetramethylbutyl)-phenol)	Added 2012	Aquatic toxicity	3*	Used in consumer products Present in biomonitoring and drinking water Estimated to have moderate releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	2	Consumer Industrial	Not yet initiated	140-66-9
74	p,p'-Oxybis(benzenesulfonylhydrazide)	Added 2012	Reproductive toxicity Mutagenicity	3	Used in consumer products Estimated to have moderate releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer	Not yet initiated	80-51-3
75	<i>Pentachlorothio-phenol</i>	<i>Added 2014</i>	<i>Acute and chronic toxicity</i>	3	<i>A mercaptan (sulfur) cross-linking agent that makes rubber more pliable</i>	1	<i>High environmental persistence High bioaccumulation potential</i>	3	<i>Industrial</i>	<i>Not yet initiated</i>	<i>133-49-3</i>
76	<i>Phenol, isopropylated, phosphate (3:1) (iPTPP)</i>	<i>Added 2014</i>	<i>Neurotoxicity Aquatic toxicity</i>	3	<i>Widely used as a flame retardant</i>	3	<i>High environmental persistence High bioaccumulation potential</i>	3	<i>Consumer Industrial</i>	<i>Not yet initiated</i>	<i>68937-41-7</i>

Notes:

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
77	<i>Phosphoric acid, triphenyl ester (TPP)</i>	<i>Added 2014</i>	<i>Acute and chronic aquatic toxicity</i>	<i>3*</i>	<i>Widely used as a flame retardant in polyurethane foam, PVC, printed wiring boards, children's products Applications in polymers in high-impact polystyrenes, epoxy resins, and adhesives (minor use)</i>	3	<i>Moderate environmental persistence Moderate bioaccumulation potential</i>	2	<i>Consumer Industrial</i>	<i>Not yet initiated</i>	115-86-6
78	Phthalic anhydride	Added 2012	Respiratory sensitizer	3	Widely used in consumer products Present in groundwater and ambient air High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	85-44-9
79	Styrene	Added 2012	Possible human carcinogen Central nervous system effects	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, and groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	100-42-5

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
80	Tetrachloroethylene (PERC)	Added 2012	Probable human carcinogen	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, ambient air, groundwater, soil High reported releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Consumer Dispersive Industrial	Not yet initiated	127-18-4
81	Tribromomethane (Bromoform)	Added 2012	Probable human carcinogen	3	Used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, and groundwater Moderate reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	75-25-2
82	1,1,2-Trichloroethane	Added 2012	Possible human carcinogen	3	Widely used consumer products Present in biomonitoring, drinking water, surface water, ambient air, groundwater, and soil Moderate reported releases to the environment	2	High environmental persistence Low bioaccumulation potential	2	Dispersive	Not yet initiated	79-00-5

Notes:

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
83	Trichloroethylene (TCE)	Added 2012	Probable human carcinogen	3	Widely used in consumer products Present in drinking water, indoor environments, surface water, ambient air, groundwater, and soil	3	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Final assessment complete June 2014. Pursuing risk reduction	79-01-6
84	Triglycidyl isocyanurate	Added 2012	Reproductive toxicity Mutagenicity Acute toxicity from inhalation exposures	3	Widely used in consumer products Estimated to have high releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	2451-62-9
85	Tris(2-chloroethyl) phosphate (TCEP)	Added 2012	Mutagenicity Limited evidence of carcinogenicity	2	Widely used in consumer products Present in drinking water, and indoor environments Estimated to have moderate releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Initiated 2013	115-96-8
86	2,4,6-Tris(-tert-butyl)phenol	Added 2012	Chronic toxicity and liver effects	2	Widely used in consumer products Present in indoor environments Estimated to have moderate releases to the environment	2	Moderate environmental persistence High bioaccumulation potential	3	Consumer Industrial	Not yet initiated	732-26-3

Notes:

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
87	Vinyl chloride	Added 2012	Known human carcinogen	3	Used in consumer products Present in drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Industrial	Not yet initiated	75-01-4
88	m-Xylene	Added 2012	Reproductive toxicity Developmental toxicity	3	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	108-38-3
89	o-Xylene	Added 2012	Chronic toxicity	3	Used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	95-47-6

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
90	p-Xylene	Added 2012	Reproductive toxicity	3	Widely used in consumer products Present in biomonitoring, drinking water, surface water, ambient air, groundwater, soil High reported releases to the environment	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	Not yet initiated	106-42-3

TSCA Work Plan Chemicals for Assessment: 2014 Update - Chemicals Removed or Consolidated

	Chemical Name	When was the chemical added and removed?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status or Other Action	CASRN
1	Benz[a]anthracene	Added 2012 Removed 2014	Probable human carcinogen	3	Present in biomonitoring, indoor environments, surface water, ambient air, groundwater, and soil	2	High environmental persistence Moderate bioaccumulation potential	3	Dispersive Industrial	No assessment	56-55-3
2	p-Chloro-o-toluidine	Added 2012 Removed 2014	Probable human carcinogen	3	Present in biomonitoring, surface water, and soil	2	Moderate environmental persistence Low bioaccumulation potential	2	Industrial	No assessment	95-69-2
3	Dibenz(a,h)anthracene	Added 2012 Removed 2014	Probable human carcinogen	3	Present in indoor environments, surface water, ambient air, groundwater, and soil	2	Moderate environmental persistence Moderate bioaccumulation potential	2	Dispersive	No assessment	53-70-3

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
4	Dibromochloromethane	Added 2012 Removed 2014	Possible human carcinogen	3	Present in biomonitoring, surface water, ambient air, and soil	2	Moderate environmental persistence Low bioaccumulation potential	2	Industrial	No assessment	124-48-1
5	Dichloroacetic acid	Added 2012 Removed 2014	Possible human carcinogen	3	Used in consumer products Present in drinking water	3	Low environmental persistence Low bioaccumulation potential	1	Consumer Industrial	No assessment	79-43-6
6	Hexabromobiphenyl	Added 2012 Removed 2014	Possible human carcinogen	3	Used in consumer products Present in ambient air and soil	2	High environmental persistence High bioaccumulation potential	3	Industrial	No assessment	36355-01-8
7	Hexachlorocyclohexane	Added 2012 Removed 2014	Possible human carcinogen	3	Present in biomonitoring and surface water	2	High environmental persistence Moderate bioaccumulation potential	3	Industrial	No assessment	608-73-1
8	Mercury & Mercury Compounds	Added 2012 Removed 2014	Neurotoxicity Developmental toxicity Chronic nervous system and hepatic effects	3	Widely used in consumer products Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, soil High reported releases to the environment	3	High environmental persistence Moderate bioaccumulation potential	3	Consumer Industrial	No assessment	Category

Notes:

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
9	N-Nitrosodiethylamine	Added 2012 Removed 2014	Probable human carcinogen	3	Present in biomonitoring, surface water, and ambient air, groundwater, and soil Relatively small reported releases to the environment	2	Moderate environmental persistence Low bioaccumulation potential	2	Industrial	No assessment	55-18-5
10	N-Nitrosodimethylamine	Added 2012 Removed 2014	Probable human carcinogen	3	Widely used in consumer products Present in drinking water, surface water, ambient air, groundwater, and soil	3	Moderate environmental persistence Low bioaccumulation potential	2	Consumer Dispersive Industrial	No assessment	62-75-9
11	Pentabromophenol	Added 2012 Removed 2014	Acute toxicity	3	Used in consumer products Present in surface water and soil	2	High environmental persistence Low bioaccumulation potential	2	Industrial	No assessment	608-71-9
12	Polychlorinated naphthalenes	Added 2012 Removed 2014	Acute dermal toxicity Chronic liver effects	1	Widely used in consumer products Present in biomonitoring	3	High environmental persistence High bioaccumulation potential	3	Industrial	No assessment	Category
13	Quartz (Respirable forms only)	Added 2012 Removed 2014	Probable human carcinogen	3	Widely used in consumer products Present in drinking water Estimated to have high releases to the environment	3	High environmental persistence Low bioaccumulation potential	2	Consumer Industrial	No assessment	14808-60-7

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	Chemical Name	When was the chemical added?	Hazard Criteria Met	Hazard Score	Exposure Criteria Met	Exposure Score	Persistence & Bioaccumulation Criteria Met	Persistence & Bioaccumulation Score	Use	Risk Assessment Status and Other Actions	CASRN
14	1,2,4,5-Tetrachlorobenzene	Added 2012 Removed 2014	Chronic toxicity	3	Present in ground water and soil	1	Moderate environmental persistence High bioaccumulation potential	3	Industrial	No assessment	95-94-3
15	Benzo[a]pyrene	Added 2012 Consolidated 2014	Known human carcinogen	3	Present in biomonitoring, drinking water, indoor environments, surface water, ambient air, groundwater, and soil	2	High environmental persistence Moderate bioaccumulation potential	3	Dispersive Industrial	No assessment	50-32-8

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