

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
1	50-00-0	Formaldehyde
2	50-32-8	Benzo(a)pyrene
3	56-23-5	Carbon tetrachloride
4	56-93-9	Trimethylbenzylammonium chloride
5	60-24-2	2-Mercaptoethanol
6	62-53-3	Aniline
7	62-56-6	Thiourea
8	64-17-5	Ethanol
9	64-18-6	Formic acid
10	67-56-1	methanol
11	67-66-3	Chloroform
12	68-12-2	N,N-dimethylformamide
13	71-43-2	Benzene
14	71-48-7	Cobalt(II) diacetate
15	74-87-3	Methyl chloride
16	74-90-8	Hydrogen cyanide
17	74-93-1	Methanethiol (Methyl mercaptan)
18	75-01-4	Vinyl chloride
19	75-05-8	Acetonitrile
20	75-07-0	Acetaldehyde
21	75-09-2	Methylene Chloride (Dichloromethane)
22	75-15-0	Carbon disulfide
23	75-21-8	Ethylene oxide
24	75-28-5	Isobutane (containing 0.1 % butadiene (203-450-8))
25	75-52-5	methane, nitro-
26	75-56-9	Propylene oxide
27	75-59-2	Tetramethylammonium hydroxide
28	75-87-6	Chloral
29	77-47-4	Hexachlorocyclopentadiene
30	77-73-6	Dicyclopentadiene
31	77-78-1	Dimethyl sulfate
32	78-63-7	Peroxide, (1,1,4,4-tetramethyl-1,4- butanediyl)bis[(1,1-dimethylethyl) (Varox)
33	78-79-5	Isoprene

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
34	78-93-3	Methyl ethyl ketone
35	79-00-5	Vinyl trichloride (1,1,2-Trichloroethane)
36	79-01-6	Trichloroethylene
37	79-04-9	Chloroacetyl chloride
38	79-06-1	Acrylamide
39	79-10-7	Acrylic acid
40	79-11-8	Chloroacetic acid
41	79-38-9	Chlorotrifluoroethylene
42	79-46-9	2-Nitropropane
43	79-92-5	bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (Camphene)
44	79-94-7	Tetrabromobisphenol A
45	80-05-7	4,4'-methylethylidenebisphenol (BPA) (Bisphenol A)
46	80-07-9	4,4'-Dichlorodiphenyl sulfone
47	80-09-1	Bisphenol S (BPS)
48	80-15-9	Cumene hydroperoxide
49	80-62-6	Methyl methacrylate MMA
50	84-65-1	Anthraquinone
51	84-66-2	Diethyl phthalate (DEP)
52	84-74-2	1,2-benzenedicarboxylic acid, dibutyl ester (DBP) (phthalate)
53	85-42-7	Hexahydrophthalic anhydride (HHPA)
54	85-68-7	1,2-benzenedicarboxylic acid, butyl phenylmethyl ester (BBP) (phthalate)
55	87-86-5	Pentachlorophenol
56	88-12-0	2-Pyrrolidinone, 1-ethenyl-
57	88-85-7	Dinoseb
58	89-32-7	Pyromellitic dianhydride
59	91-20-3	Naphthalene
60	92-15-9	Acetoacet-o-anisidide
61	92-70-6	3-Hydroxy-2-naphthoic acid
62	92-88-6	4,4'-Dihydroxybiphenyl = 4,4'-Biphenol
63	93-68-5	o-Acetoacetotoluidide
64	95-31-8	N-tert-butylbenzothiazole-2-sulphenamide
65	95-49-8	o-Chlorotoluene
66	95-53-4	o-Toluidine

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No.	CAS Number	Chemical Name
67	95-54-5	o-Phenylenediamine and its salts, o-Phenylenediamine, o-Phenylenediamine dichydrochloride
68	96-33-3	Methyl acrylate
69	96-48-0	gamma-Butyrolactone
70	97-99-4	2-Furanmethanol, tetrahydro-
71	98-00-0	Furfuryl alcohol
72	98-01-1	Furfural
73	98-54-4	Butylphenol
74	98-82-8	Cumene
75	98-83-9	$\alpha$ -Methyl styrene (alpha-Methylstyrene)
76	98-88-4	$\alpha$ -Chlorinated toluenes (benzal chloride, benzo-trichloride, benzyl chloride) and benzoyl chloride (combined exposures)
77	98-95-3	Nitrobenzene
78	99-96-7	p-Hydroxybenzoic acid
79	100-40-3	4-Vinylcyclohexene
80	100-41-4	Ethylbenzene
81	100-42-5	Styrene
82	100-44-7	Benzyl chloride
83	101-02-0	Triphenyl phosphite
84	101-14-4	4,4'-Methylene bis(2-chloroaniline)
85	101-68-8	Methylenebis (4-Phenylisocyanate)
86	101-77-9	4,4'-Methylenedianiline
87	101-80-4	4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)
88	101-86-0	alpha-Hexylcinnamaldehyde
89	102-01-2	Acetoacetanilide
90	102-06-7	1,3-Diphenylguanidine
91	103-11-7	2-Ethylhexyl acrylate
92	104-55-2	2-Propenal, 3-phenyl- (Cinnamaldehyde)
93	105-60-2	Caprolactam
94	106-44-5	p-cresols
95	106-46-7	p-Dichlorobenzene
96	106-89-8	Epichlorohydrin
97	106-94-5	1-Bromopropane

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
98	106-97-8	butane (containing 0.1 % butadiene (203-450-8))
99	106-99-0	1,3-Butadiene
100	107-02-8	2-Propenal (Acrolein)
101	107-05-1	Allyl chloride
102	107-06-2	Ethylene dichloride (1,2-Dichloroethane)
103	107-13-1	Acrylonitrile
104	107-15-3	Ethylenediamine
105	107-18-6	2-Propen-1-ol (Allyl alcohol)
106	107-19-7	Propargyl alcohol
107	107-21-1	Ethylene glycol (ingested)
108	108-05-4	Vinyl acetate
109	108-10-1	Methyl isobutyl ketone (MIBK)
110	108-31-6	Maleic anhydride
111	108-38-3	m - xylene
112	108-45-2	m-Phenylenediamine
113	108-46-3	Resorcinol
114	108-77-0	Cyanuric chloride
115	108-78-1	Melamine
116	108-88-3	Toluene
117	108-90-7	Chlorobenzene
118	108-91-8	Cyclohexamine
119	108-95-2	Phenol
120	109-09-1	2-Chloropyridine
121	109-55-7	3-Aminopropyldimethylamine
122	109-69-3	1-chlorobutane
123	109-86-4	Ethylene glycol monomethyl ether
124	109-89-7	Diethylamine
125	109-99-9	Tetrahydrofuran
126	110-00-9	Furan
127	110-54-3	n-hexane
128	110-65-6	1,4-Butynediol
129	110-86-1	Pyridine
130	111-15-9	Ethylene glycol monoethyl ether acetate

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
131	111-41-1	2-(2-aminoethylamino)ethanol (AEEA)
132	111-42-2	Diethanolamine
133	111-44-4	Bis(2-chloroethyl)ether
134	111-76-2	2-butoxyethanol
135	111-96-6	(bis(2-methoxyethyl)ether (Diglyme)
136	112-57-2	Tetraethylenepentamine (TEPA)
137	115-27-5	4,7-methanoisobenzofuran-1,3-dione, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-
138	115-86-6	Triphenyl phosphate (TPP)
139	117-81-7	1,2-benzenedicarboxylic acid, bis(2-ethylhexyl) ester (DEHP) (DOP) (phthalate)
140	118-96-7	2,4,6-Trinitrotoluene (TNT)
141	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
142	119-61-9	Benzophenone
143	119-64-2	1,2,3,4-Tetrahydronaphthalene (Tetralin)
144	120-80-9	Catechol
145	120-82-1	1,2,4-Trichlorobenzene
146	121-82-4	Cyclonite (RDX)
147	122-39-4	N,N-Diphenylamine
148	123-35-3	beta-Myrcene
149	123-38-6	Propionaldehyde
150	123-72-8	Butyraldehyde
151	123-77-3	Azodicarboxamide
152	124-40-3	Dimethylamine
153	126-33-0	Tetrahydrothiophene 1,1-dioxide
154	126-73-8	Tributyl phosphate (TBP)
155	126-99-8	Chloroprene
156	127-18-4	Tetrachloroethylene (Perchloroethylene)
157	127-19-5	N,N-dimethylacetamide (DMAc)
158	128-04-1	Sodium dimethyldithiocarbamate
159	128-37-0	2,6-di-tert.-butyl-p-cresol (BHT) Butylated Hydroxytoluene
160	131-11-3	Dimethyl phthalate
161	131-17-9	Diallyl phthalate
162	137-26-8	Tetramethyl thiuram disulfide (TMTD); (Thiram)
163	140-66-9	4-(1,1,3,3-Tetramethylbutyl)phenol (p- octaphenol)

All 2019 CHC List Chemicals with High Production Volume Status

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164	140-88-5	Ethyl acrylate
165	143-33-9	Sodium cyanide
166	149-57-5	2-Ethylhexanoic acid
167	151-50-8	Potassium cyanide
168	156-60-5	trans-1,2-Dichloroethylene
169	302-01-2	Hydrazine
170	306-83-2	2,2-Dichloro-1,1,1-trifluoroethane
171	355-43-1	hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodo-
172	409-21-2	Silicon carbide whiskers
173	513-79-1	Cobalt(II) carbonate
174	540-97-6	Dodecamethylcyclohexasiloxane (D6)
175	541-02-6	Decamethylcyclopentasiloxane (D5)
176	552-30-7	Trimellitic Anhydride (TMA)
177	554-13-2	Lithium carbonate
178	556-67-2	Octamethylcyclotetrasiloxane (D4)
179	557-05-1	Zinc Stearate
180	563-47-3	3-Chloro-2-methylpropene
181	576-26-1	2,6-Dimethylphenol
182	584-84-9	Toluene 2,4-diisocyanate
183	598-55-0	Methyl carbamate
184	612-83-9	3,3'-Dichlorobenzidine dihydrochloride
185	630-08-0	Carbon monoxide
186	632-79-1	1,3-isobenzofurandione, 4,5,6,7-tetrabromo-
187	646-06-0	1,3-Dioxolane
188	683-18-1	Dibutyltin dichloride (DBTC)
189	764-41-0	1,4-Dichloro-2-butene
190	793-24-8	4-(dimethylbutylamino)diphenylamin
191	868-77-9	2-hydroxyethyl methacrylate
192	872-50-4	N-Methylpyrrolidone
193	924-42-5	N-Methylolacrylamide
194	1118-46-3	Monobutyltin trichloride
195	1163-19-5	Decabromodiphenyl ether [Polybrominated diphenyl ethers]
196	1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8,-hexamethylcyclopenta[g]-2-benzopyran (HHCB)

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
197	1241-94-7	phosphoric acid, 2-ethylhexyl diphenyl ester
198	1303-86-2	Diboron trioxide
199	1306-19-0	Cadmium oxide
200	1307-96-6	Cobalt [II] oxide
201	1309-64-4	Antimony oxide (Antimony trioxide)
202	1310-73-2	Sodium Hydroxide
203	1313-27-5	Molybdenum trioxide
204	1313-99-1	Nickel oxide
205	1314-41-6	Orange lead (lead tetroxide)
206	1314-62-1	Vanadium pentoxide (orthorhombic crystalline form)
207	1317-36-8	Lead monoxide (lead oxide)
208	1327-53-3	Arsenic trioxide, diarsenic trioxide
209	1330-20-7	Xylene
210	1330-43-4	Disodium tetraborate, anhydrous
211	1330-78-5	Tricresyl phosphate (TCP)
212	1333-82-0	Chromium (VI) trioxide
213	1333-86-4	Carbon black (airborne, unbound particles of respirable size)
214	1338-23-4	Methyl ethyl ketone peroxide
215	1344-37-2	C.I. Pigment Yellow 34 [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.], Lead sulfochromate yellow
216	1461-22-9	Stannane, tributylchloro-
217	1461-25-2	Tetrabutyltin (TTBT)
218	1634-04-4	Methyl tertiary butyl ether (MTBE)
219	2215-35-2	Zinc, bis[O,O-bis(1,3-dimethylbutyl) phosphorodithioato-S,S']-, (T-4)-
220	2426-08-6	n-Butyl glycidyl ether
221	2451-62-9	Triglycidyl isocyanurate
222	2778-42-9	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-
223	2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine
224	3194-55-6	Cyclododecane, 1,2,5,6,9,10-hexabromo-
225	3296-90-0	2,2-Bis(bromomethyl)-1,3-propanediol
226	4098-71-9	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
227	4904-61-4	1,5,9-cyclododecatriene
228	4979-32-2	N,N-dicyclohexyl-2-benzotazothiazolesulfenamide (DCBS)

All 2019 CHC List Chemicals with High Production Volume Status

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229	5989-27-5	cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-
230	6683-19-8	Irganox 1010
231	6842-15-5	1-propene, tetramer
232	6846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate
233	7439-92-1	Lead
234	7439-96-5	Manganese
235	7440-02-0	Nickel (Metallic)
236	7440-22-4	Silver
237	7440-36-0	Antimony
238	7440-43-9	Cadmium
239	7440-48-4	Cobalt metal powder
240	7440-66-6	Zinc
241	7632-04-4	Sodium peroxometaborate
242	7646-79-9	Cobalt dichloride
243	7647-01-0	Hydrochloric acid
244	7664-38-2	Phosphoric acid
245	7664-39-3	Hydrofluoric acid
246	7664-41-7	Ammonia
247	7664-93-9	strong inorganic acid mists containing sulfuric acid
248	7697-37-2	Nitric acid
249	7723-14-0	Phosphorus
250	7758-19-2	Chlorite (sodium salt)
251	7775-14-6	Sodium dithionite
252	7782-50-5	Chlorine
253	7783-06-4	Hydrogen sulfide
254	7789-06-2	Strontium chromate
255	8002-05-9	Petroleum
256	8006-64-2	Turpentine oil
257	8008-20-6	Kerosene (JP-5, JP-8)
258	8052-41-3	Stoddard solvent
259	9016-87-9	Methylene Diphenyl Diisocyanate and Polymeric MDI
260	10024-97-2	Nitrous oxide
261	10043-35-3	Boric acid (has a second CAS #: 11113-50-1)



All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
262	10049-04-4	Chlorine Dioxide
263	10124-43-3	Cobalt sulfate
264	10141-05-6	Cobalt(II) dinitrate
265	10588-01-9	Sodium dichromate (second CAS# listed on SVHC: 7789-12-0)
266	12008-41-2	Disodium octaborate
267	12035-72-2	Nickel subsulfide
268	12054-48-7	Nickel (II) hydroxide
269	12202-17-4	Tetralead trioxide sulphate
270	13048-33-4	1,6-Hexanediol diacrylate
271	13463-67-7	Titanium dioxide
272	13674-84-5	Tris (1-chloro-2-propyl) phosphate (TCPP)
273	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate
274	14808-60-7	Silica, crystalline (inhaled in the form of quartz or cristobalite from occupational sources)
275	15625-89-5	Trimethylolpropane triacrylate, technical grade
276	16219-75-3	5-Ethylidene-2-norbornene
277	25013-15-4	Vinyl toluene
278	25321-14-6	Dinitrotoluene (isomers mixture) DNT
279	25340-17-4	Benzene, diethyl-
280	25550-51-0	Hexahydromethylphthalic anhydride
281	25637-99-4	Hexabromocyclododecane
282	25973-55-1	phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-
283	26040-51-7	Bis (2-ethylhexyl) tetrabromophthalate (TBPH)
284	26471-62-5	Toluene diisocyanate
285	26761-40-0	Di-isodecyl phthalate (DIDP)
286	28553-12-0	Diisononyl phthalate (DINP)
287	41484-35-9	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1'-(thiodi-2,1-ethanediyl) ester
288	41556-26-7	Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester
289	51000-52-3	neodecanoic acid, ethenyl ester
290	57583-35-4	Dimethyltin bis[2-ethylhexyl thioglycolate] [DMT(EHTG)]
291	63449-39-8	paraffin waxes and hydrocarbon waxes, chlorinated

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
292	64365-17-9	Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol
293	64741-42-0	Naphtha (petroleum), full-range straight-run
294	64741-47-5	Natural gas condensates (petroleum)
295	64741-50-0	Distillates (petroleum), light paraffinic, Unrefined or mildly refined baseoil
296	64741-51-1	Distillates (petroleum), heavy paraffinic, Unrefined or mildly refined baseoil
297	64741-52-2	Distillates (petroleum), light naphthenic, Unrefined or mildly refined baseoil
298	64741-53-3	Distillates (petroleum), heavy naphthenic, Unrefined or mildly refined baseoil
299	64741-58-8	Gas oils (petroleum), light vacuum
300	64741-61-3	Distillates (petroleum), heavy catalytic cracked
301	64741-67-9	Residues (petroleum), catalytic reformer fractionator
302	64741-78-2	Naphtha (petroleum), heavy hydrocracked
303	64741-81-7	Distillates (petroleum), heavy thermal cracked
304	64741-83-9	Naphtha (petroleum), heavy thermal cracked
305	64741-85-1	Raffinates (petroleum), sorption process
306	64741-87-3	Naphtha (petroleum), sweetened
307	64742-22-9	Naphtha (petroleum), chemically neutralized heavy
308	64742-48-9	Naphtha (petroleum), hydrotreated heavy
309	64742-59-2	Gas oils (petroleum), hydrotreated vacuum
310	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
311	64742-87-6	Gas oils (petroleum), hydrodesulfurized light vacuum
312	64742-90-1	Residues (petroleum), steam-cracked
313	65996-89-6	Coal tar, Tar, coal, high-temp.
314	65996-93-2	Pitch, coal tar, hightemp.
315	65997-06-0	Rosin, hydrogenated
316	65997-13-9	Resin acids and Rosin acids, hydrogenated, esters with glycerol
317	68131-75-9	Gases (petroleum), C3-4; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C4, predominantly of propane a
318	68308-07-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfi

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
319	68308-08-7	Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbo
320	68333-22-2	Residues (petroleum), atmospheric
321	68409-99-4	Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the rang
322	68410-00-4	Distillates (petroleum), crude oil
323	68475-58-1	Alkanes, C2-3, Petroleum gas
324	68475-59-2	Alkanes, C3-4, petroleum gas
325	68475-60-5	Alkanes, C4-5, Petroleum gas
326	68476-40-4	Hydrocarbons, C3-4, Petroleum gas
327	68476-42-6	Hydrocarbons, C4-5, Petroleum gas
328	68476-44-8	Hydrocarbons, C>3
329	68476-46-0	Hydrocarbons, C3-11, catalytic cracker distillates
330	68476-49-3	Hydrocarbons, C2-4, C3-rich; Petroleum gas
331	68476-85-7	Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approxim
332	68476-86-8	Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons havin
333	68477-33-8	Gases (petroleum), C3-4, isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It con
334	68477-35-0	Distillates (petroleum), C3-6, piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated a

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
335	68477-65-6	Gases (petroleum), amine system feed; Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantl
336	68477-69-0	Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C
337	68477-70-3	Gases (petroleum), C2-3; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]
338	68477-71-4	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide
339	68477-72-5	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers pr
340	68477-74-7	Gases (petroleum), catalytic cracker; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predomina
341	68477-77-0	Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers pre
342	68477-79-2	Gases (petroleum), catalytic reformer, C1-4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C1 through C

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
343	68477-80-5	Gases (petroleum), C6-8 catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It m
344	68477-81-6	Gases (petroleum), C6-8 catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 an
345	68477-82-7	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich; Refinery gas
346	68477-83-8	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally
347	68477-85-0	Gases (petroleum), C4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C3 through C5, predo
348	68477-87-2	Gases (petroleum), deisobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the
349	68477-90-7	Gases (petroleum), depropanizer dry, propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene w
350	68477-91-8	Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon
351	68477-92-9	Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through
352	68477-93-0	Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide,

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
353	68477-97-4	Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C2 hydrocarbons.]
354	68478-00-2	Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturate
355	68478-01-3	Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predomin
356	68478-02-4	Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocar
357	68478-03-5	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon d
358	68478-04-6	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydroca
359	68478-24-0	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hyd
360	68478-27-3	Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
361	68478-28-4	Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly i
362	68478-30-8	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having ca
363	68478-32-0	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer ta
364	68478-34-2	Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through
365	68511-50-2	1-Propene, 2-methyl-, sulfurized
366	68512-62-9	Residues (petroleum), light vacuum
367	68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3
368	68513-02-0	Naphtha (petroleum), full-range coker
369	68513-14-4	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consist
370	68513-15-5	Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly
371	68513-16-6	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon number
372	68513-17-7	Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predomin

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
373	68513-18-8	Gases (petroleum), reformer effluent high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of meth
374	68513-19-9	Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, e
375	68513-66-6	Residues (petroleum), alkylation splitter, C4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5, predominantly butane and
376	68514-31-8	Hydrocarbons, C1-4; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4
377	68515-49-1	Di-isodecyl phthalate (DIDP)
378	68515-88-8	Pentene, 2,4,4-trimethyl-, sulfurized
379	68527-15-1	Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obt
380	68527-16-2	Hydrocarbons, C1-3; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164°C to minus 42°C (-263°F to -44°F).]
381	68527-19-5	Hydrocarbons, C1-4, deutanizer fraction; Petroleum gas
382	68602-84-6	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic crack
383	68603-42-9	Coconut diethanolamide
384	68606-25-7	Hydrocarbons, C2-4; Petroleum gas
385	68606-26-8	Hydrocarbons, C3; Petroleum gas
386	68606-27-9	Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]



All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
387	68606-34-8	Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]
388	68607-11-4	Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]
389	68607-30-7	Residues (petroleum), topping plant, low-sulfur
390	68783-06-2	Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having ca
391	68783-07-3	Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]
392	68783-08-4	Gas oils (petroleum), heavy atmospheric
393	68783-12-0	Naphtha (petroleum), unsweetened
394	68783-64-2	Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in t
395	68783-65-3	Gases (petroleum), C2-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated an
396	68814-67-5	Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]
397	68814-90-4	Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
398	68911-59-1	Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with
399	68918-99-0	Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through
400	68919-00-6	Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through
401	68919-01-7	Gases (petroleum), distillate unfiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unfiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]
402	68919-02-8	Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen,
403	68919-03-9	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane
404	68919-04-0	Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, a
405	68919-05-1	Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon
406	68919-06-2	Gases (petroleum), naphtha unfiner desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unfiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydroc
407	68919-07-3	Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and prop

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
408	68919-08-4	Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly
409	68919-10-8	Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons
410	68919-20-0	Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C3 -C4 splitter. It consists predominantly of C3 hydrocarbons.]
411	68937-41-7	Isopropylated triphenyl phosphate (IPTPP)
412	68952-76-1	Gases (petroleum), catalytic cracked naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 th
413	68952-79-4	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]
414	68952-80-7	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of
415	68953-84-4	1,4-Benzenediamine, N,N'-mixed Ph and tolyl derivs.
416	68955-27-1	Distillates (petroleum), petroleum residues vacuum
417	68955-28-2	Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C4.
418	68955-33-9	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfuriz
419	68955-34-0	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of s

All 2019 CHC List Chemicals with High Production Volume Status

No.	CAS Number	Chemical Name
420	68989-88-8	Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic
421	70321-86-7	2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) phenol
422	70592-76-6	Distillates (petroleum), intermediate vacuum
423	70592-77-7	Distillates (petroleum), light vacuum
424	70592-78-8	Distillates (petroleum), vacuum
425	70592-79-9	Residues (petroleum), atm. tower, light
426	84852-15-3	phenol, 4-nonyl-, branched
427	84852-53-9	Decabromodiphenyl ethane (DBDPE)
428	129893-17-0	Lubricating oils, used, residues
<sup>1</sup> Chemicals that reported national aggregate production volumes of 1 million lbs or more in atleast 4 of 6 report years during U.S. EPA Chemical Data Reporting (CDR) cycles between 2006 to 2016 (CDR report years: 2005, 2011, 2012, 2013, 2014, and 2015)		
HPV status reflects analysis performed with U.S. EPA's Chemical Data Reporting data through 2016 submission year.		
End of Worksheet		