All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
1	50-00-0	Formaldehyde
2	56-23-5	Carbon tetrachloride
3	56-93-9	Trimethylbenzylammonium chloride
4	60-24-2	2-Mercaptoethanol
5	62-53-3	Aniline
6	64-17-5	Ethanol
7	64-18-6	Formic acid
8	64-67-5	Diethyl sulfate
9	67-56-1	methanol
10	67-66-3	Chloroform
11	67-72-1	Hexachloroethane
12	68-12-2	N,N-dimethylformamide
13	71-43-2	Benzene
14	71-48-7	Cobalt(II) diacetate
15	74-83-9	Methyl bromide, as a structural fumigant
16	74-83-9	Methyl bromide, in water
17	74-87-3	Methyl chloride
18	74-90-8	Hydrogen cyanide
19	74-93-1	Methanethiol (Methyl mercaptan)
20	74-95-3	Dibromomethane
21	74-96-4	Bromoethane
22	75-00-3	Chloroethane (Ethyl chloride)
23	75-01-4	Vinyl chloride
24	75-02-5	Vinyl fluoride
25	75-05-8	Acetonitrile
26	75-07-0	Acetaldehyde
27	75-09-2	Methylene Chloride (Dichloromethane)
28	75-15-0	Carbon disulfide
29	75-21-8	Ethylene oxide
30	75-28-5	Isobutane (containing 0.1 % butadiene (203-450-8))
31	75-34-3	1,1-Dichloroethane
32	75-35-4	1,1-Dichloroethylene (Vinylidene chloride)
33	75-44-5	Phosgene
34	75-52-5	methane, nitro-
35	75-56-9	Propylene oxide
36	75-59-2	Tetramethylammonium hydroxide
37	75-87-6	Chloral
38	76-87-9	stannane, hydroxytriphenyl-
39	77-73-6	Dicyclopentadiene
40	77-78-1	Dimethyl sulfate
41	78-48-8	Merphos oxide (Tribufos)
42	78-63-7	Peroxide, (1,1,4,4-tetramethyl-1,4- butanediyl)bis[(1,1-dimethylethyl) (Varox)
43	78-79-5	Isoprene
44	78-82-0	2-Methylpropanenitrile
45	78-87-5	1,2-Dichloropropane

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
46	78-93-3	Methyl ethyl ketone
47	79-00-5	Vinyl trichloride (1,1,2-Trichloroethane)
48	79-01-6	Trichloroethylene
49	79-04-9	Chloroacetyl chloride
50	79-06-1	Acrylamide
51	79-10-7	Acrylic acid
52	79-11-8	Chloroacetic acid
53	79-34-5	1,1,2,2-Tetrachloroethane
54	79-38-9	Chlorotrifluoroethylene
55	79-46-9	2-Nitropropane
56	79-92-5	bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene- (Camphene)
57	79-94-7	Tetrabromobisphenol A
58	80-05-7	4,4'-methylethylidenebisphenol (BPA) (Bisphenol A)
59	80-07-9	4,4’-Dichlorodiphenyl sulfone
60	80-09-1	Bisphenol S (BPS)
61	80-15-9	Cumene hydroperoxide
62	80-46-6	p-(1,1-dimethylpropyl)phenol
63	80-54-6	2-(4-tert-butylbenzyl)propionaldehyde
64	80-62-6	Methyl methacrylate MMA
65	84-65-1	Anthraquinone
66	84-66-2	Diethyl phthalate (DEP)
67	84-74-2	1,2-benzenedicarboxylic acid, dibutyl ester (DBP) (phthalate)
68	85-42-7	Hexahydrophthalic anhydride (HHPA)
69	85-68-7	1,2-benzenedicarboxylic acid, butyl phenylmethyl ester (BBP) (phthalate)
70	87-86-5	Pentachlorophenol
71	88-12-0	2-Pyrrolidinone, 1-ethenyl-
72	88-60-8	6-tert-Butyl-m-cresol
73	88-85-7	Dinoseb
74	89-32-7	Pyromellitic dianhydride
75	91-20-3	Naphthalene
76	92-15-9	Acetoacet-o-anisidide
77	92-70-6	3-Hydroxy-2-naphthoic acid
78	92-88-6	4,4'-Dihydroxybiphenyl = 4,4'-Biphenol
79	93-68-5	o-Acetoacetotoluidide
80	94-75-7	2,4-Dichlorophenoxyacetic acid (2,4-D)
81	95-31-8	N-tert-butylbenzothiazole-2-sulphenamide
82	95-49-8	o-Chlorotoluene
83	95-53-4	o-Toluidine
84	95-54-5	o-Phenylenediamine and its salts, o-Phenylenediamine, o-Phenylenediamine dichydrochloride
85	95-65-8	3,4-Dimethylphenol
86	96-18-4	1,2,3-Trichloropropane
87	96-23-1	1,3-Dichloro-2-propanol (1,3-DCP)
88	96-33-3	Methyl acrylate
89	96-48-0	gamma-Butyrolactone

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
90	97-99-4	2-Furanmethanol, tetrahydro-
91	98-00-0	Furfuryl alcohol
92	98-01-1	Furfural
93	98-54-4	Butylphenol
94	98-56-6	4-Chlorobenzotrifluoride
95	98-82-8	Cumene
96	98-83-9	α-Methyl styrene (alpha-Methylstyrene)
97	98-88-4	α-Chlorinated toluenes (benzal chloride, benzo-trichloride, benzyl chloride) and benzoyl chloride (combined exposures)
98	98-95-3	Nitrobenzene
99	99-96-7	p-Hydroxybenzoic acid
100	100-01-6	4 - Nitrobenzenamine
101	100-40-3	4-Vinylcyclohexene
102	100-41-4	Ethylbenzene
103	100-42-5	Styrene
104	100-44-7	Benzyl chloride
105	101-02-0	Triphenyl phosphite
106	101-14-4	4,4'-Methylene bis(2-chloroaniline)
107	101-68-8	Methylenebis (4-Phenylisocyanate)
108	101-77-9	4,4'-Methylenedianiline
109	101-80-4	4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)
110	101-86-0	alpha-Hexylcinnamaldehyde
111	102-01-2	Acetoacetanilide
112	102-06-7	1,3-Diphenylguanidine
113	103-11-7	2-Ethylhexyl acrylate
114	104-55-2	2-Propenal, 3-phenyl- (Cinnamaldehyde)
115	105-60-2	Caprolactam
116	106-44-5	p-cresols
117	106-46-7	p-Dichlorobenzene
118	106-50-3	1,4-Benzenediamine
119	106-88-7	1,2-Epoxybutane
120	106-89-8	Epichlorohydrin
121	106-91-2	Glycidyl methacrylate
122	106-94-5	1-Bromopropane
123	106-97-8	butane (containing 0.1 % butadiene (203-450-8))
124	106-99-0	1,3-Butadiene
125	107-02-8	2-Propenal (Acrolein)
126	107-05-1	Allyl chloride
127	107-06-2	Ethylene dichloride (1,2-Dichloroethane)
128	107-13-1	Acrylonitrile
129	107-15-3	Ethylenediamine
130	107-18-6	2-Propen-1-ol (Allyl alcohol)
131	107-19-7	Propargyl alcohol
132	107-21-1	Ethylene glycol (ingested)
133	107-29-9	Acetaldehyde Oxime

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
134	107-30-2	Chloromethyl methyl ether (technical grade)
135	108-05-4	Vinyl acetate
136	108-10-1	Methyl isobutyl ketone (MIBK)
137	108-31-6	Maleic anhydride
138	108-38-3	m - xylene
139	108-45-2	m-Phenylenediamine
140	108-46-3	Resorcinol
141	108-77-0	Cyanuric chloride
142	108-78-1	Melamine
143	108-88-3	Toluene
144	108-90-7	Chlorobenzene
145	108-91-8	Cyclohexlamine
146	108-95-2	Phenol
147	109-09-1	2-Chloropyridine
148	109-55-7	3-Aminopropyldimethylamine
149	109-69-3	1-chlorobutane
150	109-86-4	Ethylene glycol monomethyl ether
151	109-89-7	Diethylamine
152	109-99-9	Tetrahydrofuran
153	110-00-9	Furan
154	110-54-3	n-hexane
155	110-65-6	1,4-Butynediol
156	110-71-4	Ethane, 1,2-dimethoxy- (also known as 1,2-Dimethoxyethane, or Monoglyme)
157	110-80-5	Ethylene glycol monoethyl ether
158	110-86-1	Pyridine
159	111-15-9	Ethylene glycol monoethyl ether acetate
160	111-30-8	glutaral
161	111-41-1	2-(2-aminoethylamino)ethanol (AEEA)
162	111-42-2	Diethanolamine
163	111-44-4	Bis(2-chloroethyl)ether
164	111-76-2	2-butoxyethanol
165	111-96-6	(bis(2-methoxyethyl)ether (Diglyme)
166	112-57-2	Tetraethylenepentamine (TEPA)
167	115-86-6	Triphenyl phosphate (TPP)
168	116-14-3	Tetrafluoroethylene
169	117-81-7	1,2-benzenedicarboxylic acid, bis(2-ethylhexyl) ester (DEHP) (DOP) (phthalate)
170	118-79-6	2,4,6-tribromophenol
171	118-96-7	2,4.6-Trinitrotoluene (TNT)
172	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol
173	119-61-9	Benzophenone
174	119-64-2	1,2,3,4-Tetrahydronaphthalene (Tetralin)
175	120-80-9	Catechol
176	120-82-1	1,2,4-Trichlorobenzene
177	120-83-2	2,4-Dichlorophenol
178	120-95-6	phenol, 2,4-bis(1,1-dimethylpropyl)-

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
179	121-82-4	Cyclonite (RDX)
180	122-39-4	N,N-Diphenylamine
181	123-35-3	beta-Myrcene
182	123-38-6	Propionaldehyde
183	123-72-8	Butyraldehyde
184	123-77-3	Azodicarboxamide
185	124-40-3	Dimethylamine
186	126-33-0	Tetrahydrothiophene 1,1-dioxide
187	126-73-8	Tributyl phosphate (TBP)
188	127-18-4	Tetrachloroethylene (Perchloroethylene)
189	127-19-5	N,N-dimethylacetamide (DMAc)
190	128-04-1	Sodium dimethyldithiocarbamate
191	128-37-0	2,6-di-tert.-butyl-p-cresol (BHT) Butylated Hydroxytoluene
192	131-11-3	Dimethyl phthalate
193	131-17-9	Diallyl phthalate
194	140-66-9	4-(1,1,3,3-Tetramethylbutyl)phenol (p- octaphenol)
195	140-67-0	Estragole
196	140-88-5	Ethyl acrylate
197	143-33-9	Sodium cyanide
198	149-30-4	Mercaptobenzothiazole
199	149-57-5	2-Ethylhexanoic acid
200	150-50-5	Merphos
201	151-50-8	Potassium cyanide
202	156-60-5	trans-1,2-Dichloroethylene
203	302-01-2	Hydrazine
204	306-83-2	2,2-Dichloro-1,1,1-trifluoroethane
205	355-43-1	hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodo-
206	409-21-2	Silicon carbide whiskers
207	496-72-0	3,4-toluenediamine (3,4-TDA)
208	497-39-2	phenol, 2,4-bis(1,1-dimethylethyl)-5-methyl-
209	513-79-1	Cobalt(II) carbonate
210	540-97-6	Dodecamethylcyclohexasiloxane (D6)
211	541-02-6	Decamethylcyclopentasiloxane (D5)
212	542-75-6	1,3-Dichloropropene
213	550-44-7	H-Isoindole-1,3(2H)-dione, 2-methyl-
214	552-30-7	Trimellitic Anhydride (TMA)
215	554-13-2	Lithium carbonate
216	556-67-2	Octamethylcyclotetrasiloxane (D4)
217	557-05-1	Zinc Stearate
218	563-47-3	3-Chloro-2-methylpropene
219	563-80-4	3-Methyl-2-butanone
220	576-26-1	2,6-Dimethylphenol
221	583-78-8	2,5-Dichlorophenol
222	584-84-9	Toluene 2,4-diisocyanate
223	598-55-0	Methyl carbamate

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
224	611-19-8	1-chloro-2-(chloromethyl)benzene (ochlorobenzyl chloride; OCBC)
225	612-83-9	3,3'-Dichlorobenzidine dihydrochloride
226	616-23-9	2,3-Dichloropropanol
227	622-96-8	p - ethyltoluene
228	630-08-0	Carbon monoxide
229	632-79-1	1,3-isobenzofurandione, 4,5,6,7-tetrabromo-
230	646-06-0	1,3-Dioxolane
231	647-42-7	1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-
232	683-18-1	Dibutyltin dichloride (DBTC)
233	684-16-2	Hexafluoroacetone
234	732-26-3	2,4,6-tri-tert-butylphenol
235	793-24-8	4-(dimethylbutylamino)diphenylamin
236	822-06-0	1,6-Hexamethylene diisocyanate
237	868-77-9	2-hydroxyethyl methacrylate
238	872-50-4	N-Methylpyrrolidone
239	924-42-5	N-Methylolacrylamide
240	1118-46-3	Monobutyltin trichloride
241	1222-05-5	1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8,-hexamethylcyclopenta[g]-2-benzopyran (HHCB)
242	1241-94-7	phosphoric acid, 2-ethylhexyl diphenyl ester
243	1303-86-2	Diboron trioxide
244	1306-19-0	Cadmium oxide
245	1307-96-6	Cobalt [II] oxide
246	1309-64-4	Antimony oxide (Antimony trioxide)
247	1310-73-2	Sodium Hydroxide
248	1313-27-5	Molybdenum trioxide
249	1313-99-1	Nickel oxide
250	1314-41-6	Orange lead (lead tetroxide)
251	1314-62-1	Vanadium pentoxide (orthorhombic crystalline form)
252	1317-36-8	Lead monoxide (lead oxide)
253	1327-53-3	Arsenic trioxide, diarsenic trioxide
254	1330-20-7	Xylene
255	1330-43-4	Disodium tetraborate, anhydrous
256	1330-78-5	Tricresyl phosphate (TCP)
257	1333-82-0	Chromium (VI) trioxide
258	1333-86-4	Carbon black (airborne, unbound particles of respirable size)
259	1338-23-4	Methyl ethyl ketone peroxide
260	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
261	1461-25-2	Tetrabutyltin (TTBT)
262	1634-04-4	Methyl tertiary butyl ether (MTBE)
263	1929-82-4	Nitrapyrin
264	2215-35-2	Zinc, bis[O,O-bis(1,3-dimethylbutyl) phosphorodithioato-S,S']-, (T-4)-
265	2451-62-9	Triglycidyl isocyanurate
266	2487-90-3	Trimethoxysilane

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
267	2778-42-9	Benzene, 1,3-bis(1-isocyanato-1-methylethyl)-
268	2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine
269	3081-01-4	1,4-benzenediamine, N-(1,4-dimethylpentyl)-N'-phenyl-
270	3296-90-0	2,2-Bis(bromomethyl)-1,3-propanediol
271	4098-71-9	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
272	4979-32-2	N,N-dicyclohexyl-2-benzotazothiazolesulfenamide (DCBS)
273	5124-30-1	4,4´ Methylenedicyclohexyl diisocyanate
274	5419-55-6	Triisopropylborate
275	5989-27-5	cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-
276	6683-19-8	Irganox 1010
277	6842-15-5	1-propene, tetramer
278	6846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate
279	7439-92-1	Lead
280	7439-96-5	Manganese
281	7440-02-0	Nickel (Metallic)
282	7440-22-4	Silver
283	7440-36-0	Antimony
284	7440-48-4	Cobalt metal powder
285	7440-66-6	Zinc
286	7647-01-0	Hydrochloric acid
287	7664-38-2	Phosphoric acid
288	7664-39-3	Hydrofluoric acid
289	7664-41-7	Ammonia
290	7664-93-9	strong inorganic acid mists containing sulfuric acid
291	7697-37-2	Nitric acid
292	7723-14-0	Phosphorus
293	7758-19-2	Chlorite (sodium salt)
294	7775-14-6	Sodium dithionite
295	7782-50-5	Chlorine
296	7783-06-4	Hydrogen sulfide
297	7789-06-2	Strontium chromate
298	8001-58-9	Creosotes
299	8002-05-9	Petroleum
300	8006-64-2	Turpentine oil
301	8008-20-6	Kerosene (JP-5, JP-8)
302	8052-41-3	Stoddard solvent
303	10043-35-3	Boric acid (has a second CAS #: 11113-50-1)
304	10049-04-4	Chlorine Dioxide
305	10124-43-3	Cobalt sulfate
306	10141-05-6	Cobalt(II) dinitrate
307	10588-01-9	Sodium dichromate (second CAS# listed on SVHC: 7789-12-0)
308	12008-41-2	Disodium octaborate
309	12035-72-2	Nickel subsulfide
310	12054-48-7	Nickel (II) hydroxide

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
311	12202-17-4	Tetralead trioxide sulphate
312	13048-33-4	1,6-Hexanediol diacrylate
313	13463-67-7	Titanium dioxide
314	13560-89-9	Dechlorane plus
315	13674-84-5	Tris (1-chloro-2-propyl) phosphate (TCPP)
316	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate
317	14808-60-7	Silica, crystalline (inhaled in the form of quartz or cristobalite from occupational sources)
318	15625-89-5	Trimethylolpropane triacrylate, technical grade
319	16219-75-3	5-Ethylidene-2-norbornene
320	16812-54-7	Nickel sulphide
321	17540-75-9	phenol, 2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-
322	19438-60-9	Hexahydro-4-methylphthalic anhydride
323	21850-44-2	benzene, 1,1'-(1-methylethylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)-
324	25013-15-4	Vinyl toluene
325	25155-23-1	Trixylyl phosphate
326	25155-25-3	Peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl)
327	25321-14-6	Dinitrotoluene (isomers mixture) DNT
328	25340-17-4	Benzene, diethyl-
329	25973-55-1	phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-
330	26040-51-7	Bis (2-ethylhexyl) tetrabromophthalate (TBPH)
331	26140-60-3	Terphenyl
332	26471-62-5	Toluene diisocyanate
333	26999-29-1	phosphorodithioic acid, O,O-diisooctyl ester
334	28553-12-0	Diisononyl phthalate (DINP)
335	29761-21-5	phosphoric acid, isodecyl diphenyl ester
336	41484-35-9	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 1,1’-(thiodi-2,1-ethanediyl) ester
337	41556-26-7	Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester
338	51000-52-3	neodecanoic acid, ethenyl ester
339	57583-35-4	Dimethyltin bis[2-ethylhexyl thioglycolate] [DMT(EHTG)]
340	61788-32-7	Terphenyl, hydrogenated
341	63449-39-8	paraffin waxes and hydrocarbon waxes, chlorinated
342	64365-17-9	Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol
343	64741-42-0	Naphtha (petroleum), full-range straight-run
344	64741-47-5	Natural gas condensates (petroleum)
345	64741-50-0	Distillates (petroleum), light paraffinic, Unrefined or mildly refined baseoil
346	64741-51-1	Distillates (petroleum), heavy paraffinic, Unrefined or mildly refined baseoil
347	64741-52-2	Distillates (petroleum), light naphthenic, Unrefined or mildly refined baseoil
348	64741-53-3	Distillates (petroleum), heavy naphthenic, Unrefined or mildly refined baseoil
349	64741-58-8	Gas oils (petroleum), light vacuum
350	64741-61-3	Distillates (petroleum), heavy catalytic cracked
351	64741-67-9	Residues (petroleum), catalytic reformer fractionator
352	64741-78-2	Naphtha (petroleum), heavy hydrocracked

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
353	64741-81-7	Distillates (petroleum), heavy thermal cracked
354	64741-83-9	Naphtha (petroleum), heavy thermal cracked
355	64741-85-1	Raffinates (petroleum), sorption process
356	64741-87-3	Naphtha (petroleum), sweetened
357	64742-22-9	Naphtha (petroleum), chemically neutralized heavy
358	64742-48-9	Naphtha (petroleum), hydrotreated heavy
359	64742-59-2	Gas oils (petroleum), hydrotreated vacuum
360	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
361	64742-87-6	Gas oils (petroleum), hydrodesulfurized light vacuum
362	64742-90-1	Residues (petroleum), steam-cracked
363	65996-89-6	Coal tar, Tar, coal, high-temp.
364	65996-93-2	Pitch, coal tar, hightemp.
365	65997-06-0	Rosin, hydrogenated
366	65997-13-9	Resin acids and Rosin acids, hydrogenated, esters with glycerol
367	67124-09-8	2-propanol, 1-(tert-dodecylthio)-
368	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
369	68333-22-2	Residues (petroleum), atmospheric
370	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
371	68410-00-4	Distillates (petroleum), crude oil
372	68440-24-4	Fatty acids, tall-oil, 2-mercaptoethyl esters (2-MET)
373	68475-57-0	Alkanes, C1-2, Petroleum gas
374	68475-58-1	Alkanes, C2-3, Petroleum gas
375	68475-59-2	Alkanes, C3-4, petroleum gas
376	68475-60-5	Alkanes, C4-5, Petroleum gas
377	68476-40-4	Hydrocarbons, C3-4, Petroleum gas
378	68476-42-6	Hydrocarbons, C4-5, Petroleum gas
379	68476-44-8	Hydrocarbons, C>3
380	68476-46-0	Hydrocarbons, C3-11, catalytic cracker distillates
381	68476-49-3	Hydrocarbons, C2-4, C3-rich; Petroleum gas
382	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
383	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

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
384	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
385	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
386	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
387	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
388	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.]
389	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
390	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
391	68477-73-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists
392	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
393	68477-76-9	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having
394	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

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
395	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
396	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
397	68477-82-7	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich; Refinery gas
398	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
399	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
400	68477-86-1	Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]
401	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
402	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
403	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
404	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
405	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,
406	68477-96-3	Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2 hydrocarbons.]

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
407	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.]
408	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
409	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
410	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
411	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
412	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
413	68511-50-2	1-Propene, 2-methyl-, sulfurized
414	68512-62-9	Residues (petroleum), light vacuum
415	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
416	68513-02-0	Naphtha (petroleum), full-range coker
417	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
418	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
419	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

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
420	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
421	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
422	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
423	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
424	68514-36-3	Hydrocarbons, C1-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers p
425	68515-49-1	Di-isodecyl phthalate (DIDP)
426	68515-88-8	Pentene, 2,4,4-trimethyl-, sulfurized
427	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).]
428	68527-19-5	Hydrocarbons, C1-4, debutanizer fraction; Petroleum gas
429	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
430	68603-42-9	Coconut diethanolamide
431	68606-25-7	Hydrocarbons, C2-4; Petroleum gas
432	68606-26-8	Hydrocarbons, C3; Petroleum gas
433	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.]
434	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.]
435	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.]

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
436	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
437	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.]
438	68783-08-4	Gas oils (petroleum), heavy atmospheric
439	68783-12-0	Naphtha (petroleum), unsweetened
440	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
441	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
442	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.]
443	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
444	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
445	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 throug
446	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 thr
447	68919-01-7	Gases (petroleum), distillate unifiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]
448	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.

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
449	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.
450	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.
451	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.
452	68919-06-2	Gases (petroleum), naphtha unifiner desulfurization stripper off; Petroleum gas; A complex combination of hydrocarbons produced by a naphtha unifiner desulfurization process and stripped from the naphtha product.
453	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.
454	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.
455	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.
456	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.]
457	68937-41-7	Isopropylated triphenyl phosphate (IPTPP)
458	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
459	68953-84-4	1,4-Benzenediamine, N,N'-mixed Ph and tolyl derivs.
460	68955-27-1	Distillates (petroleum), petroleum residues vacuum
461	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.
462	68955-33-9	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas
463	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.
464	68955-53-3	Amines, C12-14-tert-alkyl
465	68989-88-8	Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; A complex combination produced by crude distillation and catalytic cracking processes.
466	70321-86-7	2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl) phenol

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899

All 2022 CHC List Chemicals with High Production Volume Status[1]

No.	CAS Number	Chemical Name
467	70592-76-6	Distillates (petroleum), intermediate vacuum
468	70592-77-7	Distillates (petroleum), light vacuum
469	70592-78-8	Distillates (petroleum), vacuum
470	70592-79-9	Residues (petroleum), atm. tower, light
471	84852-15-3	phenol, 4-nonyl-, branched
472	84852-53-9	Decabromodiphenyl ethane (DBDPE)
473	85535-85-9	alkanes, C14-17, chloro
474	101316-83-0	Tar brown-coal
475	129893-17-0	Lubricating oils, used, residues

[1]Chemicals that reported national aggregate production volumes of 1 million lbs or more in at least 4 of 6 report years during U.S. EPA Chemical Data Reporting (CDR) cycles in 2016 and 2020 (CDR report years: 2014, 2015, 2016, 2017, 2018, and 2019).

HPV status reflects analysis performed with U.S. EPA's Chemical Data Reporting data through 2020 submission year.

End of Worksheet.

Environmental Surveillance and Assessment Section
Health.Risk@state.mn.us
651-201-4899