

This Class 560 is considered to be an integral part of Class 260 (see the Class 260 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 260.

ORGANIC COMPOUNDS (CLASS 532, SUBCLASS 1)			
1	.Carboxylic acid esters	22	.....Additional nitrogen in acid moiety
2	..With preservative	23	.....Oxy, aldehyde or ketone group in acid moiety
3	...Aromatic polycarboxylic acid esters	24	....Carbamic acid
4	...Acyclic unsaturated monocarboxylic acid esters	25	.....Polycarbamic
5	..Hydrophenanthrene in acid moiety	26	.....Polyoxy alcohol moiety
6	...Polycyclo ring system having the hydrophenanthrene and at least one additional ring as cyclos	27	.....Plural rings in acid moiety
7	...1,4a-Dimethylhydrophenanthrene-1-carboxylic acid	28	.....Ortho fused
8	..Aromatic acid moiety	29	.....Oxy in acid moiety
9	...Sulfur in acid moiety	30	....Halogen in acid moiety
10	....Ortho fused rings in acid moiety	31	.....Ring in alcohol moiety
11	....Sulfoxy in acid moiety	32	....Ring in alcohol moiety
12	.....Nitrogen in acid moiety	33	....Sulfur, nitrogen, halogen or additional oxy in alcohol moiety
13	.....Plural nitrogens in acid moiety	34	...Ureido, guanido or hydrazino in acid moiety
14	.....Sulfonic acids, salts or acid halides	35	...Amidine, azomethine, ketimine or oxime in acid moiety
15	....Sulfur, not bonded directly to a ring, in same side chain as ester function	36	...Plural rings bonded directly to the same cyclic carbon in acid moiety
16	.....Nitrogen in acid moiety	37	...The nitrogen is not bonded directly to a ring
17	....Sulfur, bonded directly to a ring, in same side chain as ester function	38	.....The nitrogen is in same side chain as ester function
18	....Ester function attached directly to a ring	39	.....Oxy in acid moiety
19	...Nitrogen in acid moiety other than as nitroso or isocyanate (e.g., amino acid esters, etc.)	40	.....Phenylalanines
20	....Nitro bonded to carbon in acid moiety	41	.....Amide in acid moiety
21	.....Plural rings in acid moiety	42	.....Oxy in acid moiety
		43	...The nitrogen is bonded directly to a ring and is in same side chain as ester function
		44	....Polycarboxylic acid
		45	....Oxy in acid moiety
		46	....Benzoic acid substituted on ring with oxy and nitrogen
		47	...Halogen in acid moiety
		48	...Plural rings in acid moiety with nitrogen bonded directly to at least one of the rings
		49	...Nitrogen in alcohol moiety
		50	...Polyoxy alcohol moiety
		51	...Aldehyde or ketone group in acid moiety
		52	...Plural rings bonded directly to the same carbonyl in acid moiety
		53	...Oxy in acid moiety
		54	...Polycarboxylic acid
		55	...Oxy in acid moiety

56	....Ortho fused rings in acid moiety	91	.....Polyoxyalkylene alcohol moiety
57	....Plural rings bonded directly to the same acyclic carbon in acid moiety	92	.....Preparing esters by ester interchange
58	.....Nitrogen in alcohol moiety	93	.....Preparing esters from alkylene oxides
59	....Rings bonded directly to each other in acid moiety	94	.....Preparing esters from acid or from nitrile and diol
60	....Oxy, not bonded directly to a ring, in same side chain as ester function	95	....Unsaturation in alcohol moiety
61	....Oxy, bonded directly to a ring, in same side chain as ester function	96	....Processes
62	.....Halogen in acid moiety	97	.....Carbonylation
63	.....Polyoxy alcohol moiety	98	.....Esterification of acid, salt, acid halide or anhydride with alcohol
64	....Ester function attached directly to a ring	99	.....Metal containing catalyst utilized
65	.....Halogen in acid moiety	100	..Naphthyl in acid moiety
66	.....Acylated	101	..Plural rings bonded directly to the same carbon in acid moiety
67	.....Phenolic hydroxy or metallate	102	..Rings bonded directly to each other in acid moiety
68	.....Tannins and reaction products thereof	103	..Monocyclic acid moiety
69	.....Extraction from bark or vegetable material	104	....Additional unsaturation in acid moiety
70	.....Polyphenolic hydroxy or metallate	105	....Carboxyl, not bonded directly to a ring, in acid moiety
71	.....Salicylic acid	106	....Ring in alcohol moiety
72	.....Ring in alcohol moiety	107	.....Plural rings in alcohol moiety
73	.....Ring in alcohol moiety	108	.....Esterified phenolic hydroxy
74	....Nitrogen in alcohol moiety	109	.....Esterified phenolic hydroxy
75	....Phenolic hydroxy or metallate	110	....Nitrogen in alcohol moiety
76	...Polycarboxylic acid	111	....Halogen in alcohol moiety
77	....Producing carboxyl group by oxidation	112	....Polyoxy alcohol moiety
78	....Purification or recovery	113	....Unsaturation in alcohol moiety
79	.....Of ester of polyoxy alcohols	114	..Preparing alicyclic acid esters by carbonylation
80	....Ortho fused rings in acid moiety	115	..Alicyclic carbamates
81	....Esterified carboxy not bonded directly to a ring	116	..Plural alicyclic rings in acid moiety
82	.....Malonates	117	..Tricyclo ring system in acid moiety
83	....Halogen in acid moiety	118	..Two rings only in acid moiety
84	....Ring in alcohol moiety	119	....Ortho fused
85	.....Aromatic alcohol moiety	120	....2,2,1-bicyclo
86	.....Esterified phenolic hydroxy	121	..Cyclopentyl in acid moiety (e.g., prostaglandins, etc.)
87	....Sulfur or halogen in alcohol moiety	122	..Cyclopentyl-COOR, -C-COOR or -C-C-COOR
88	....Nitrogen in alcohol moiety	123	..Cyclobutyl in acid moiety
89	....Polyoxy alcohol moiety		
90	.....Additional esterifying acid		

124	..Cyclopropyl in acid moiety	156	....Nitro bonded to carbon in acid moiety
125	..Alicyclic acid moiety containing N, S, P, B or halogen	157	....Carbamic acid
126	..Alicyclic acid moiety containing oxy, aldehyde or ketone group	158	.....Polycarbamic
127	..Alicyclic polycarboxylic acid moiety	159	.....Additional nitrogen in acid moiety
128	..Alicyclic acid moiety containing unsaturation	160	.....Oxy in acid moiety
129	..Acyclic acid moiety	161	.....Halogen in acid moiety
130	...Esterified phenolic hydroxy	162	.....Cyclic alcohol moiety
131	....Preparing esters by oxidation	163	.....Aromatic alcohol moiety
132	....Carbamic acid	164	.....Polyoxy alcohol moiety
133	.....Plural rings in phenolic moiety	165	.....Sulfur or nitrogen in alcohol moiety
134	.....Ortho fused	166	.....Polyoxy alcohol moiety
135	.....Sulfur in phenolic moiety	167	.....Halogen in alcohol moiety
136	.....Nitrogen in phenolic moiety	168	....Amidine, azomethine, ketimine or oxime in acid moiety
137	.....Sulfur, halogen or additional nitrogen or oxygen in carbamic acid moiety	169	....Additional nitrogen in acid moiety
138	....Plural rings in phenolic moiety	170	....Oxy, aldehyde or ketone group in acid moiety
139	.....Ortho fused	171	....Polycarboxylic acid
140	.....Plural rings bonded directly to the same carbon in phenolic moiety	172	....Halogen or unsaturation in acid moiety
141	.....Rings bonded directly to each other in phenolic moiety	173	....Cyclic alcohol moiety
142	....Nitrogen or sulfur in phenolic moiety	174	..Aldehyde or ketone group in acid moiety
143	....Salicylic acid or functional derivative	175	....Preparing esters by carbonylation
144	....Polyoxy phenolic moiety	176	....Polycarboxylic acid
145	....Sulfur, nitrogen, halogen, oxy, or aldehyde or ketone group in acid moiety	177	....Aldehyde group in acid moiety
146	....Polycarboxylic acid	178	....Acetoacetic acid
147	....Sulfur in acid moiety	179	...Oxy in acid moiety
148	....Carbamic acid	180	....Polycarboxylic acid
149	....Sulfoxy in acid moiety	181	.....Unsaturation in acid moiety
150	.....Sulfonyl or sulfinyl in acid moiety	182	.....Polyoxy alcohol moiety
151	.....Polycarboxylic acid	183	....Unsaturation in acid moiety
152	....Thio ether in acid moiety	184	....Halogen in acid moiety
153	.....Nitrogen or halogen in acid moiety	185	....Acylated oxy in acid moiety
154	.....Polycarboxylic acid	186	....Polyoxy acid moiety
155	..Nitrogen in acid moiety other than as nitroso or isocyanate (e.g., amino acid esters, etc.)	187	....Alkoxy in acid moiety
		188	....Cyclic alcohol moiety
		189	....Polyoxy alcohol moiety
		190	...Polycarboxylic acid
		191	....Purification or recovery
		192	....Halogen in acid moiety
		193	....Cyclic alcohol moiety
		194	.....Plural rings in alcohol moiety
		195	....Phosphorus or sulfur in alcohol moiety
		196	....Nitrogen in alcohol moiety
		197	....Halogen in alcohol moiety
		198	....Polyoxy alcohol moiety

199	.....Additional monooxy alcohol or monocarboxylic acid (e.g., complex esters, etc.)	232	....Preparing esters by carbonylation
200	.....Preparing esters from alkylene oxides	233	.....Of olefins
201	....Unsaturation in alcohol moiety	234	....Preparing esters by ester interchange
202	....Preparing esters by oligomerization	235	.....From alkyl sulfates
203	....Preparing esters by alkylation or isomerization	236	....Preparing esters from halogenated hydrocarbons
204	....Preparing esters by esterification or carbonylation	237	.....From alkenyl halides
205	...Unsaturation in acid moiety	238	....Preparing esters from aldehydes
206	....Preparing esters by carbonylation	239	....Preparing esters by dehydrogenation of alcohols
207	.....Group VIII noble metal catalyst utilized	240	....Preparing esters from ethers
208	....Formation of carboxyl group by oxidation	241	....Preparing esters from hydrocarbons
209	....Preparing esters from alkylene oxides	241.1	.....By oxidation of hydrocarbon mixtures
210	....Preparing esters from aldehydes	242	.....From acetylenic hydrocarbons
211	....Formation of ethylenic unsaturation	243	.....From olefins utilizing Group VIII noble metal catalyst
212	.....By dehydration or dealcoholization	244	.....From polyolefins
213	.....By dehalogenation or dehydrohalogenation	245	.....Gas phase
214	.....By dehydrogenation	246	....Preparing polyoxy alcohol esters from olefins
215	....Preparing esters from nitriles or amides	247	....Preparing alkyl esters from olefins
216	....Preparing esters by depolymerization	248	....Purification or recovery
217	....Preparing esters by ester interchange	249	....Terpene alcohol moiety
218	....Purification or recovery	250	....Nitrogen in alcohol moiety other than as nitro, nitroso or isocyanate
219	....Halogen in acid moiety	251	.....Plural nitrogens in alcohol moiety
220	....Cyclic alcohol moiety	252	.....Polyoxy alcohol moiety
221	....Aromatic alcohol moiety	253	.....Acyclic alcohol moiety
222	....Phosphorus, sulfur or nitrogen in alcohol moiety	254	....Aromatic alcohol moiety
223	....Halogen in alcohol moiety	255	.....Plural rings in alcohol moiety
224	....Polyoxy alcohol moiety	256	....Polycyclo-alicyclic ring system in alcohol moiety
225	....Unsaturation in alcohol moiety	257	.....Nor- or homo-cyclopentanohydrophenanthrenes
226	...Halogen in acid moiety	258	.....Nor-A ring
227	....Fluorine in acid moiety	259	....2,6,6-trialkyl cyclohexenyl in alcohol moiety
228	....Cyclic alcohol moiety	260	....Vitamin A alcohol moiety
229	....Halogen in alcohol moiety	261	....Acyclic alcohol moiety having unsaturation
230	....Polyoxy alcohol moiety	262	.....Substituted
231	...Unsubstituted acids of the acetic series	263	....Acyclic polyoxy alcohol moiety
		264	.....Substituted
		265	....Acyclic monohydric alcohol moiety

- 266Substituted
- 300 .Hypohalite or perhypohalite esters (i.e., compounds having the -O-halo group or the -O-O-halo group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 301 .Cyanate esters (i.e., compounds having the -OCN group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 302 .Compounds having the group -C(=X)-X-nX-, wherein the X's may be the same or diverse chalcogens, nX is a divalent chalcogen or a chain of divalent chalcogens single bonded to each other, and the terminal X is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon (e.g., percarboxylate esters, etc.)
- 303 .Sulfohydroxamate esters or chalcogen analogues thereof (i.e., compounds having the -S(=O)(=O)-NH-X- group, wherein X is chalcogen and substitution may be made for hydrogen only, and wherein the X is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 304 .Peroxynitrate esters (i.e., compounds having the -O-O-N(=O)(=O) group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 305 .Perborate esters or chalcogen analogues thereof (i.e., compounds having the -X-X- group, wherein the X's are the same or diverse chalcogens, bonded directly to boron and to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 306 .Perhalate esters (i.e., compounds having the -O-halo(=O)(=O)(=O) group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 307 .Esters having the -S(=O)(=O)-S- group, wherein the divalent sulfur is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon (e.g., thiolsulfonate esters, etc.)
- 308 .Oxygen bonded directly to the hexavalent sulfur of the -S(=O)(=O)-S- group (i.e., thiosulfate esters)
- 309 .Nitrogen attached indirectly to the -S(=O)(=O)-S- group by acyclic nonionic bonding
- 310 .Esters having the -S(=O)-S- group, wherein the divalent sulfur is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon (e.g., thiolsulfinate esters, dithiosulfurous acid esters, etc.)
- 311 .Perhydroxamate esters or chalcogen analogues thereof (i.e., compounds having the -C(=X)-NH-X-X- group, wherein the X's are the same or diverse chalcogens and substitution may be made for hydrogen only, and wherein the terminal X is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)
- 312 .Hydroxamate esters or chalcogen analogues thereof (i.e., compounds having the -C(=X)-NH-X- group, wherein the X's may be the same or diverse chalcogens and substitution may be made for hydrogen only, and wherein the single bonded X is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon)

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| 313 | ..Nitrogen bonded directly to the carbon of the $-C(=X)-NH-X-$ group | 334 | ..Carbodiimide containing (i.e., $-N=C=N-$ containing) |
| 314 | ...The single bonded X is sulfur, or the substituent nitrogen is bonded directly to acyclic or alicyclic carbon | 335 | ..Biuret containing (i.e., $-NH-C(=O)-NH-C(=O)-NH-$ containing, wherein substitution may be made for hydrogen only) |
| 315 | ..Carbocyclic ring bonded directly to the carbon of the $-C(=X)-NH-X-$ group | 336 | ..Processes |
| 316 | ..Hyponitrite esters (i.e., compounds having the $-O-N=N-O-$ group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon) | 337 | ...Isocyanic acid, or salt thereof, as reactant |
| 317 | ..Esters having the $-N=S=O$ group bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon (i.e., sulfinylamines) | 338 | ...Processes for forming the isocyanate group |
| 318 | ..Persulfonate esters (i.e., compounds having the $-S(=O)(=O)-O-O-$ group, wherein the terminal oxygen is bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon) | 339 | ...Cyanate reactant (i.e., reactant contains $-OCN$ group) |
| 319 | ..Perthioimidate esters (i.e., compounds having the perthioimidate group, $HN=CH-S-S-$, wherein substitution may be made for hydrogen only, bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon) | 340 | ...Hetero ring containing reactant |
| 330 | ..Isocyanate esters (i.e., compounds containing the isocyanate group, $-N=C=O$, bonded directly to carbon, which carbon may be single bonded to any atom but may be multiple bonded only to carbon) | 341 | ...Carbon monoxide utilized |
| 331 | ..With preservative or stabilizer | 342 |Reactant contains nitro group bonded directly to carbon |
| 332 | ..Nitrogen containing preservative or stabilizer | 343 | ...Azide reactant (i.e., reactant contains the azide group) |
| 333 | ..Phosphorus, silicon, or phenolic hydroxy containing preservative or stabilizer | 344 | ...Reactant containing $-NH-C(=O)-NH-$ group (wherein substitution may be made for hydrogen only) |
| | | 345 | ...Carbamate reactant (i.e., reactant contains $-O-C(=O)-NH-$ group (wherein substitution may be made for hydrogen only) |
| | | 346 | ...Reactant containing nitrogen double or triple bonded to carbon (e.g., nitriles, isonitriles, cyanogen halides, etc.) |
| | | 347 | ...Carbonyl dihalide reactant (e.g., phosgene, etc.) |
| | | 348 | ...Carbamyl halide reactant (i.e., reactant contains $halo-C(=O)-NH-$ group, wherein substitution may be made for hydrogen only) |
| | | 349 | ...Halogenation of isocyanate esters |
| | | 350 | ...Isocyanate exchange reactions (i.e., $A-NCO + B-X = B-NCO + A-X$) |
| | | 351 | ...Processes of reacting isocyanate esters of known structure to yield products of indeterminate structure |
| | | 352 | ...Purification or recovery |
| | | 353 | ...Epoxy compound, or metal, utilized |

- 354 ..Containing polycyclo ring system having alicyclic ring as one of the cyclos
- 355 ..Acyclic carbon bonded directly to the isocyanate group
- 356 ...Halogen attached indirectly to the isocyanate group by acyclic nonionic bonding
- 357 ..Chalcogen, single bonded directly to carbon, attached indirectly to the isocyanate group by acyclic nonionic bonding (e.g., ether group containing, etc.)
- 358 ..Benzene ring bonded directly to the isocyanate group
- 359 ...Plural benzene rings bonded directly to isocyanate groups (e.g., diisocyanatodiphenylmethane, etc.)
- 360 ...Plural isocyanate groups bonded directly to the same benzene ring

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