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This Class 525 is considered to be an integral part of Class 520 (see the Class 520 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 520

#### SYNTHETIC RESINS (CLASS 520, SUBCLASS 1)

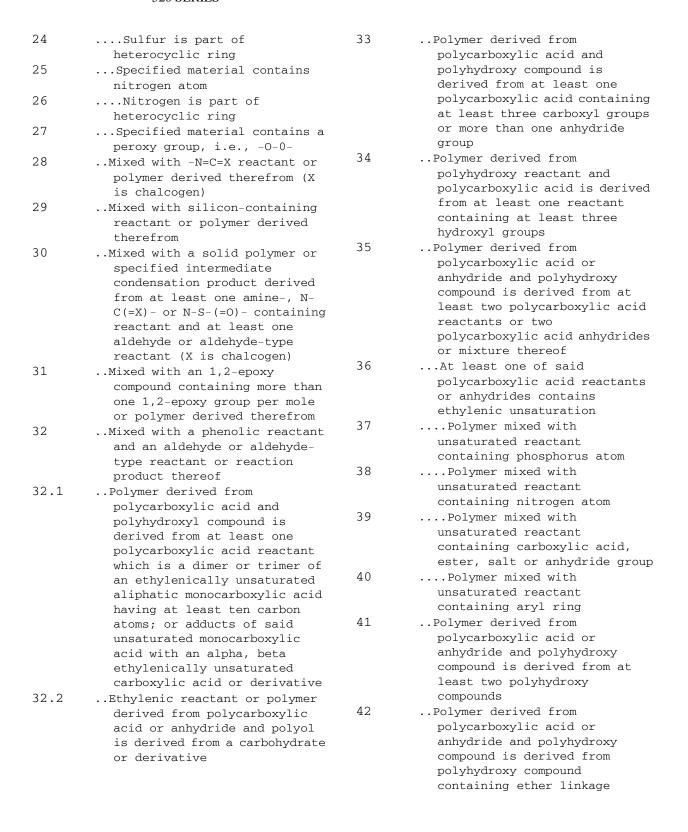
- 7 .ETHYLENICALLY UNSATURATED REACTANT ADMIXED WITH A PREFORMED REACTION PRODUCT DERIVED FROM: (a) AT LEAST ONE POLYCARBOXYLIC ACID, ESTER, OR ANHYDRIDE; (b) AT LEAST ONE POLYHYDROXY COMPOUND; AND (c) AT LEAST ONE FATTY ACID GLYCEROL ESTER, OR A FATTY ACID OR SALT DERIVED FROM A NATURALLY OCCURRING GLYCERIDE, TALL OIL, OR A TALL OIL FATTY ACTD 7.1 ..Mixed in the presence of a specified material 7.2 ..Mixed with silicon-containing
- reactant or polymer derived therefrom
- 7.3 .. Mixed with aldehyde or derivative as reactant or polymer derived therefrom
- 7.4 ..Mixed with previously formed solid polymer or SPFI
- 8 .ETHYLENICALLY UNSATURATED REACTANT ADMIXED WITH A PREFORMED REACTION PRODUCT DERIVED FROM: (a) AT LEAST ONE POLYCARBOXYLIC ACID, ESTER, OR ANHYDRIDE; (b) AT LEAST ONE POLYHYDROXY COMPOUND; AND (c) AT LEAST ONE NATURAL RESIN, PROTEIN, OR BIOLOGICALLY ACTIVE POLYPEPTIDE, OR CARBOHYDRATE OR DERIVATIVE

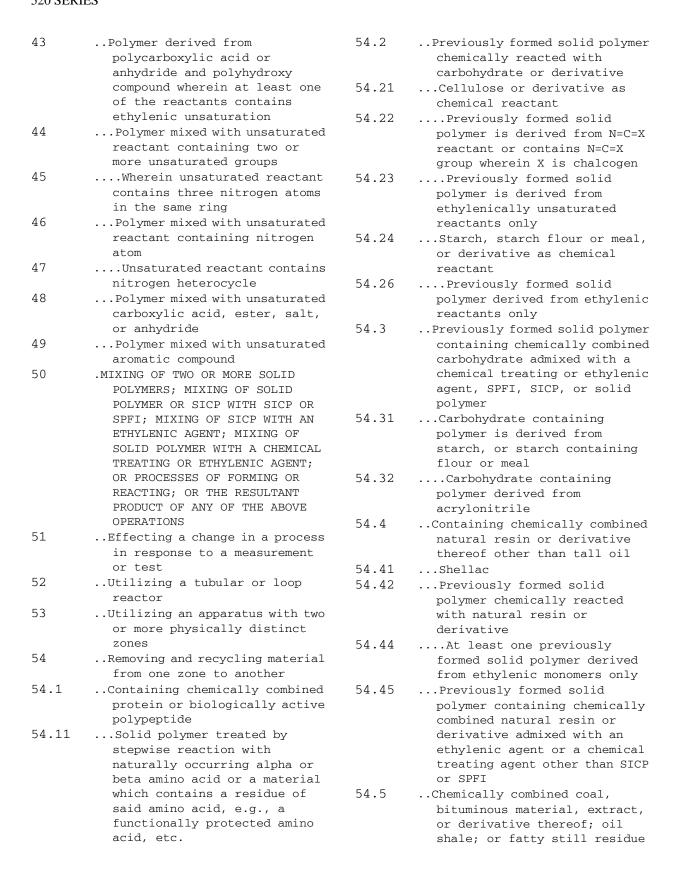
REACTANT ADMIXED WITH EITHER (A) A POLYMER DERIVED FROM A SATURATED DI- OR HIGHER ESTER OF A POLYCARBOXYLIC ACID AS SOLE REACTANT, OR (B) REACTION PRODUCT OF ONLY POLYCARBOXYLIC ACIDS OR ANHYDRIDES WITH ONLY COMPOUNDS HAVING AT LEAST TWO HYDROXYL GROUPS AT LEAST ONE OF WHICH IS SATURATED AND WHEREIN THE REACTION PRODUCT FORMED IS NOT AFTERTREATED PRIOR TO ADMIXTURE WITH THE UNSATURATED REACTANT EXCEPT WITH A POLYCARBOXYLIC ACID, POLYCARBOXYLIC ACID ANHYDRIDE, OR A POLYOL, AND WHEREIN NO SOLID POLYMER DERIVED FROM ETHYLENIC REACTANTS ONLY IS MIXED THEREWITH

.ETHYLENICALLY UNSATURATED

- ..Mixed in presence of specified material or a polymerizable composition contains a specified material
- 12 ... Specified material contains boron or silicon atom
- 13 ... Specified material contains metal atom other than from group IA metal atom (Li, Na, K, Rb, Cs, Fr)
- 14 .... Material contains Group IB metal atom (Cu, Ag, Au)
- 15 .... Material contains Group IIB metal atom (Zn, Cd, Hg) or IIIA metal atom (Al, Ga, In, T1)
- 16 .... Material contains Group VB metal atom (V, Nb, Ta)
- 17 ....Material contains Group VIII metal atom (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
- 18 .... Material contains Group IVA metal atom (Ge, Sn, Pb)
- 19 .... Material contains Group IIA metal atom (Be, Mg, Ca, Sr, Ba, Ra)
- 20 ... Specified material contains phosphorus atom
- 21 ... Specified material contains ketone group
- 22 ... Specified material contains an aldehyde or derivative thereof
- 23 ... Specified material contains sulfur atom

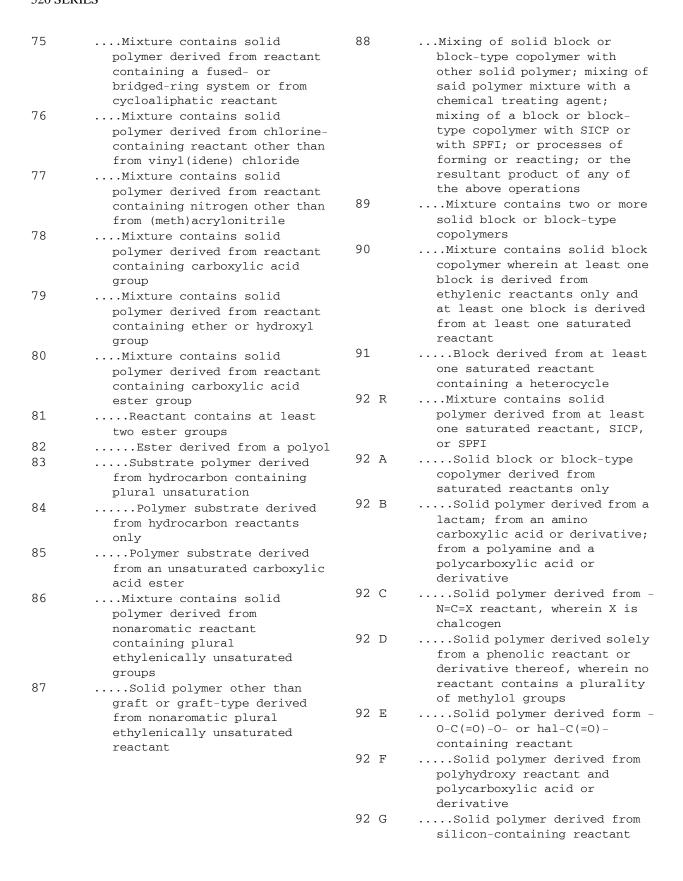
#### 525 - 2 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES



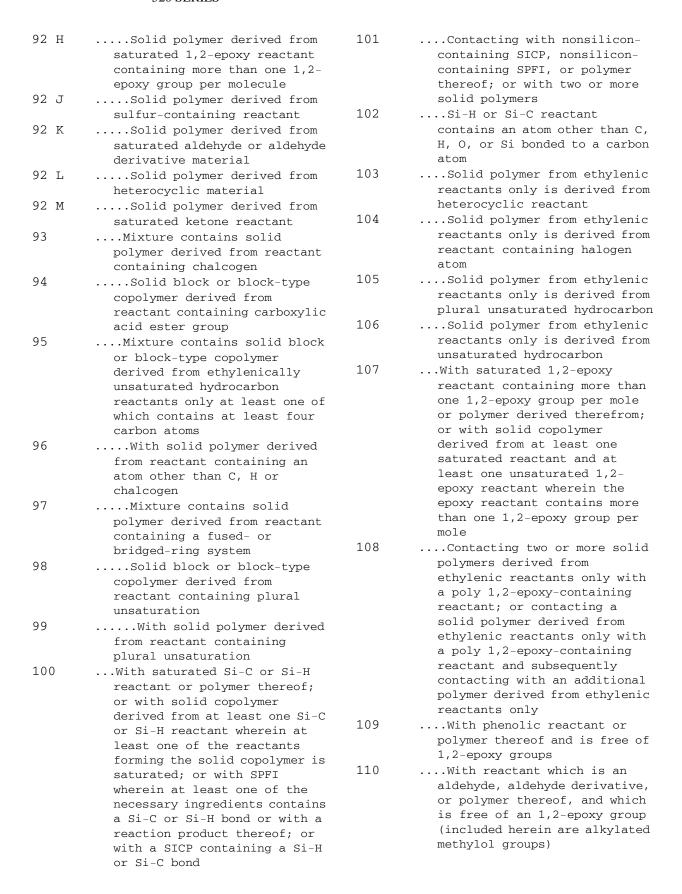


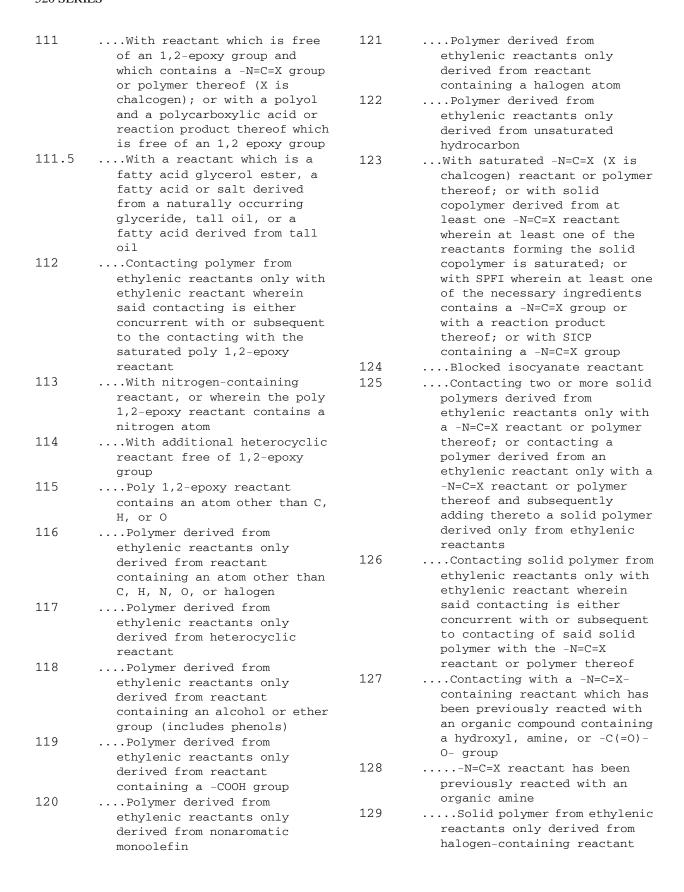
# 525 - 4 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

55	At least one solid polymer derived from ethylenic reactants only	67	With solid polymer derived from at least one hal-C(=0) - hal, O-C(=0)-O or hal-C(=0)-O-
г.с			. , , , , , , , , , , , , , , , , , , ,
56	Polyvinyl alcohol		reactant wherein at least one
57	With solid polymer derived		of the reactants forming the
	from ethylenic reactants only		solid polymer is saturated; or
58	With SICP, SPFI, or polymer		with SPFI wherein at least one
	thereof		of the necessary ingredients
F 0			is a $hal-C(=0)-hal$ , $O-C(=0)-O$ ,
59	With ethylenic reactant		
60	Interpolymers		or hal-C(=0)-0 containing
			reactant or reaction product
61	Chemical modification		thereof; or with a SICP
	utilizing a chemical treating		•
	agent		containing a hal-C(=0)- or O-
<b>CO</b>	_		C(=0)-0- group
62	Processes only of preparing	68	With solid polymer derived
	polyvinyl alcohol	00	
62			from at least one phenolic
63	Mixing of solid graft or		reactant wherein at least one
	graft-type copolymer with		
	other solid polymer wherein		of the reactants forming the
			solid polymer is saturated; or
	one of said solid polymers is		with SPFI wherein at least one
	not derived from ethylenic		
	reactants only; mixing of said		of the necessary ingredients
			is a phenolic reactant or with
	polymer mixture with a		a reaction product thereof; or
	chemical treating agent; or		
	mixing of graft or graft-type		with phenolic-containing SICP
		69	Solid graft or graft-type
	copolymer with a SICP or SPFI;		copolymer contains backbone
	or processes of forming or		
	reacting; or the resultant		derived from ethylenic
			reactants only
	product of any of the above	70	
	operations	70	Mixing of solid graft or
64	_		graft-type copolymer derived
04	Solid graft or graft-type		from ethylenic reactants only
	copolymer derived from		
	ethylenic reactants only		with other solid polymer
CE			derived from ethylenic
65	With saturated 1,2-epoxy		reactants only; or treating
	reactant containing more than		said mixture with chemical
	one 1,2-epoxy group per mole		
			treating agent; or processes
	or polymer derived therefrom;		of forming or reacting; or the
	or with solid copolymer		
	derived from at least one		resultant product of any of
			the above operations
	unsaturated 1,2-epoxy reactant	71	Contains two or more graft or
	wherein the epoxy reactant	<i>/</i> <u> </u>	
	contains more than one 1,2-		graft-type copolymers or a
			graft or a graft type
	epoxy group per mole and at		
	least one saturated reactant		copolymer and at least one
66			block or block-type copolymer
00	With solid polymer derived	72	Mixture contains solid
	from at least one nitrogen-	, 2	
	containing reactant wherein at		polymer derived from reactants
	5		containing an atom other than
	least one of the reactants		C, H, O, N, or chlorine
	forming the solid polymer is		
	saturated; or with SPFI	73	Mixture contains solid
	·		polymer derived from reactant
	wherein at least one of the		containing nitrogen
	necessary ingredients contains		5 5
	a nitrogen atom or with a		heterocycle
	_	74	Mixture contains solid
	reaction product thereaft	/ <del>T</del>	
	reaction product thereof; or	7 =	
	reaction product thereof; or with nitrogen-containing SICP	7 =	polymer derived from reactant
		7 =	



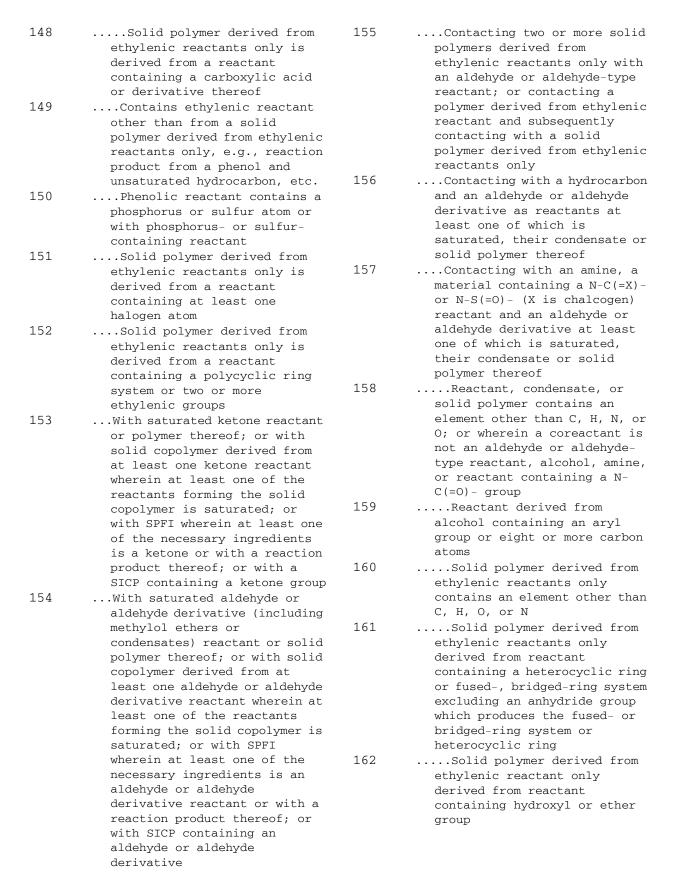
#### 525 - 6 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES



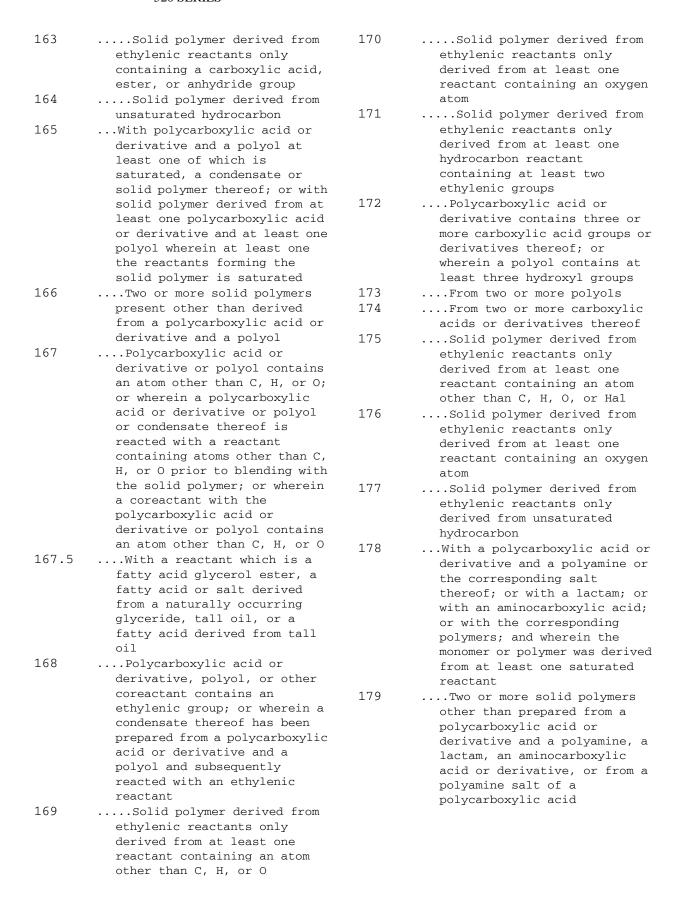


# 525 - 8 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

130	Solid polymer from ethylenic reactants only derived from hydrocarbon reactant	137	Phenolic reactant prior to contact with aldehyde or aldehyde-type reactant
131	Contacting with -N=C=X- containing reactant and with additional organic reactant		contains at least two aryl rings each of which contains phenolic substituents
132	<pre>containing a hydroxyl or amine   group or polymer thereofWith saturated phenolic</pre>	138	<pre>With nonethylenic,   nonaldehyde, or nonaldehyde-   type reactant containing an</pre>
	reactant or polymer thereof; or with solid copolymer derived from at least one phenolic reactant wherein at least one of the reactants forming the solid copolymer is	139	atom other than C, H, or OSolid polymer derived from ethylenic reactants only is derived from reactant containing at least two ethylenic groups
	saturated; or with SPFI wherein at least one of the necessary ingredients is a phenolic reactant or with a reaction product thereof; or with a SICP containing a	140	Phenolic reactant has at least two nuclear carbon atoms directly bonded to extracyclic carbon atoms which extracyclic carbon atoms are not part of a methylol group
	phenolic group Si-H or Si-C bond	141	Solid polymer from ethylenic reactants only is
133	Contacting two or more solid polymers with a phenolic reactant; or contacting a solid polymer with a phenolic		derived from both a reactant containing two ethylenic groups and an acyclic monoethylenic hydrocarbon
	reactant and subsequently contacting the treated polymer with an additional solid polymer	142	<pre>Solid polymer derived from   ethylenic reactants only is   derived from a nitrogen-   containing reactant</pre>
133.5	With a reactant which is a fatty acid glycerol ester, a fatty acid or salt derived from a naturally occurring glyceride, tall oil, or a	143	Solid polymer derived from ethylenic reactants only is derived from a reactant containing a carboxylic acid or derivative thereof
134	<pre>fatty acid derived from tall   oilContacting with aldehyde or   aldehyde-type reactant or</pre>	144	Solid polymer derived from ethylenic reactants only is derived from a reactant containing at least one
135	polymer therefromAt least two distinct	145	halogen atomSolid polymer derived from
	phenols, phenol ethers, inorganic phenolates, or mixtures thereof prior to		ethylenic reactants only is derived from an acyclic hydrocarbon
	reaction with aldehyde or aldehyde-type reactant derived from tall oil	146	With a -O-C(=0)-O-, -O-C(=0)- hal or hal-C(=0)-hal group- containing reactant or polymer
136	Phenolic reactant prior to contact with aldehyde or aldehyde-type reactant contains an atom other than C, H, or O	147	thereofTwo or more diverse phenolic reactants; or phenolic reactant contains an atom other than C, H, or O



#### 525 - 10 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES



180	Polycarboxylic acid or derivative contains three or more carboxylic acid groups; or polyamine contains three or more amino groups; or from an amino containing polycarboxylic acid or derivative other than amine solely in salt form; or from polyamino carboxylic acid or	191	Polymer mixture of two or more solid polymers derived from ethylenically unsaturated reactants only; or mixtures of said polymer mixture with a chemical treating agent; or products or processes of preparing any of the above mixturesTreating polymer or polymer
	derivative other than wherein amino groups are solely in salt form		mixture with a chemical treating agent other than solid polymer
181	With ethylenically unsaturated reactant; or reactant contains a heterocyclic ring other than solely as a lactam or cyclic anhydride of a polycarboxylic acid	193 194 195 196 197	Agent contains an ethylenic groupAgent is an organic materialContains a metal atomAgent contains a metal atomSpecified blending process
182	Solid polymer derived from ethylenically unsaturated reactant only is one derived from a reactant containing a heterocyclic ring and is other than solely a cyclic anhydride	198 199 200	<ul> <li>With subsequent physical treatment</li> <li>Solid polymer derived from fluorine-containing ethylenic reactant</li> <li>Fluorine reactant contains atoms other than C, H, or Hal</li> </ul>
183	of a polycarboxylic acidSolid polymer derived from ethylenically unsaturated reactant only is derived from a reactant containing a carboxylic acid or derivative	201	<ul><li>Solid polymer derived from metal-containing ethylenic reactant</li><li>Solid polymer derived from reactant containing an</li></ul>
184	Solid polymer derived from ethylenically unsaturated hydrocarbon	203	<pre>acetylenic groupSolid polymer derived from ethylenic reactant containing</pre>
185	With additional solid polymer derived from at least one nonethylenic reactant	204	<pre>a heterocyclic nitrogenHeterocyclic reactant contains at least two hetero</pre>
186	At least one reactant which forms additional polymer contains a heterocyclic ring	205	<pre>atoms in the same ring and at   least one of which is nitrogenHeterocyclic reactant is an</pre>
187	Heterocyclic ring is an 1,2- epoxy ring	206	<pre>imide or lactamSolid polymer derived from</pre>
188	At least one reactant which forms additional polymer contains a phosphorus atom		reactant containing a chalcogen atom (O, S, Se, Te) as part of a heterocyclic ring
189	At least one reactant which forms additional polymer	207	Heterocyclic reactant contains anhydride groupHeterocyclic reactant
190	contains a sulfur atomAt least one reactant which forms additional polymer contains a carboxylic acid or	209	contains 1,2-epoxy groupSolid polymer derived from reactant containing elements other than C, H, O, N, S, or Cl
	derivative	210	Solid polymer derived from reactant containing a fused-or bridged-ring system

# 525 - 12 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

211	Fused- or bridged-ring reactant contains at least two	230	Polymer derived from nitrogen-containing reactant
212	ethylenic groups	231	$\ldots$ Solid polymer derived from
212	Solid polymer derived from sulfur-containing reactant	232	oxygen-containing reactantSolid polymer derived from
213	Solid polymer derived from chlorine-containing reactant other than vinyl(idene)	0.2.2	reactant containing at least two ethylenic groups and is devoid of aryl ring
214	chloride	233	Polymer derived from
214	<pre>Halogenated hydrocarbon   other than vinyl(idene)   chloride</pre>	234	<pre>nitrogen-containing reactantAt least two polymers derived from nitrogen-</pre>
215	Halogenated hydrocarbon		containing reactants
	contains at least two ethylenic groups and is devoid	235	Polymer derived from halogen-containing reactant
	of an aryl ring	236	At least two polymers
216	Solid polymer derived from cycloaliphatic-containing		derived from reactants
	reactant		containing two or more ethylenic groups and devoid of
217	Solid polymer derived from		an aryl ring
	reactant containing nitrogen	237	At least one of these
	atom other than from		polymers is derived from two
	(meth)acrylonitrile		or more reactants
218	Nitrogen reactant contains a	238	Solid polymer derived from
0.1.0	carboxylic acid amide group		(meth)acrylonitrile
219	Solid polymer derived from reactant containing a phenolic	239	<pre>Solid polymer derived from vinyl(idene) chloride</pre>
	group	240	Solid polymer derived from
220	Solid polymer derived from		ethylene or propylene
	reactant containing a carbonyl group other than as part of a	241	Solid polymer derived from an aromatic hydrocarbon reactant
	carboxylic acid or derivative	242	Polymer derived from ethylenic
221	Solid polymer derived from reactant containing a		reactants only mixed with ethylenic reactant
	carboxylic acid group	243	Reactions with ethylenic
222	Solid polymer derived from reactant containing a		reactants in two or more diverse phases, e.g., bulk,
	carboxylic acid ester group		emulsion, melt, solution, etc.
223	Ester contains an oxygen	244	Contacting a solid polymer
	atom other than as part of a carboxylic acid ester group		derived from ethylenic reactants only with an
224	Ester derived from both an		ethylenic reactant in the
	unsaturated carboxylic acid and an unsaturated alcohol		presence of a specified
225	Ester contains at least two	245	material
223	carboxylic acid ester groups	243	Specified material contains transition metal atom
226	Ester derived from polyol	246	In presence of water
227	Ester derived from an	247	Contains nontransition
000	unsaturated carboxylic acid		metal atom
228	At least two polymers derived from carboxylic acid	248	Specified material contains
	ester reactants		a carbon or hydrogen atom bonded directly to a metal
229	Ester derived from an		atom
	unsaturated alcohol	249	Metal atom is aluminum

250	Metal atom is Group IA  metal atom (Li, Na, K, Rb, Cs, Fr)	271	Specified material contains a Group IA atom in elemental form or bonded to hydrogen or
251	Specified material contains	272	carbonContains an atom other than
252	a boron atomSpecified material is a	212	Group IA, C, or H
202	carbohydrate or is a solid synthetic polymer not intended to be in the final product	273	Specified material contains a compound containing a peroxy group, i.e., -0 0-
253	Material contains a free alcohol group or is alcoholate	274	Ethylenic reactant contains a metal atom
254	thereof	275	Ethylenic reactant contains
254	Specified material contains silicon atom	276	an acetylenic groupEthylenic reactant contains a
255	Specified material contains		fluorine atom
256	a phosphorus atom	277	Ethylenic reactant contains a
250	Specified material contains a heterocyclic ring	278	carbonate groupEthylenic reactant contains a
257	Specified material contains	270	carbamate group
	a ketone group	279	Ethylenic reactant contains
258	Specified material contains an ether group		<pre>nitrogen heterocycle, e.g., pyridine, diazines, etc.</pre>
259	Specified material contains	280	Block copolymer
	an organic nitrogen compound	281	Nitrogen heterocycle
260	Organic nitrogen compound contains an azo group, i.e., -		contains at least two nitrogen atoms in the same ring
0.64	N=N-	282	Imide
261	Specified material contains	283	Lactam
262	an organic sulfur compoundSpecified material contains	284	Ethylenic reactant contains a
202	a carboxylic acid or	285	chalcogen heterocycleCyclic anhydride
	derivative	286	Three-membered ring
263	Specified material contains a peroxy group, i.e., -0-0-	200	containing two carbon and one chalcogen atom
264	Contains nonperoxy compound	287	Ethylenic reactant contains a
	or inorganic peroxy compound		phosphorus atom
265	Aromatic or cycloaliphatic	288	Ethylenic reactant contains
266	peroxy compoundSpecified material contains		atoms other than C, H, O, N, S, or Cl
200	an organic chalcogen compound	289	Ethylenic reactant contains a
267	Including step of preparing a	205	fused- or bridged-ring system
	polymer in the presence of a specified material and in the	290	Dicyclopentadiene-containing
	absence of a preformed polymer	291	Ethylenic reactant contains a
	derived from ethylenic		sulfur atom
	reactant only	292	Ethylenic reactant contains a
268	Specified material contains		chlorine atom and is other
260	a transition metal atom		than vinyl(idene) chloride
269	Transition metal is other than Group IVB, VB, or VIB	293	Ethylenic material contains a
	metal atom		nitrogen atom and is other than (meth)acrylonitrile
270	With nonmetal,	294	Block copolymer derived from
-	nonhydrocarbon compound	<i>17</i> 4	nitrogen-containing reactant

# 525 - 14 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

295	<pre>Nitrogen atom is part of a   nitrile group and is other   than (meth)acrylonitrile</pre>	313	Ethylenic reactant contains at least two unsaturated groups and is devoid of an
296	Nitrogen atom is part of a carboxylic acid amide group	314	aromatic groupBlock copolymer derived from
297	Ethylenic reactant contains a cycloaliphatic group	311	reactant containing at least two unsaturated groups and is
298	Ethylenic reactant contains an oxygen atom	315	free of an aromatic groupEthylenic reactant reacted
299	Block copolymer derived from oxygen-containing reactant		in the presence of a solid polymer substrate derived from
300	<pre>0xygen atom is part of a   ketone or ketene group</pre>		reactant containing two unsaturated groups and is
301	Oxygen atom is part of a carboxylic acid group	316	devoid of an aromatic groupEthylenic reactant is an aromatic hydrocarbon
301.5	Unsaturated fatty acid derived from a naturally	317	Ethylenic reactant is vinyl(idene) chloride
	occurring glyceride, tall oil, or an unsaturated fatty acid	318	Block copolymer derived from vinyl(idene) chloride
302	derived from tall oilOxygen atom is part of a	319	Ethylenic reactant is acyclic
303	carboxylic acid ester groupEster contains an oxygen	320	hydrocarbonAcyclic hydrocarbon contains
	atom other than as a	321	five or more carbon atomsBlock copolymer derived
304	carboxylic acid ester groupEster contains at least two carboxylic acid ester groups	321	from acyclic hydrocarbon containing five or more carbon
305	Ester is derived from a	322	atomsAcyclic hydrocarbon is
306	polyolEster is derived from an		propylene
307	unsaturated alcoholEster is derived from an	323	Block copolymer derived from propylene
307	unsaturated carboxylic acid and an unsaturated alcohol	324	Acyclic hydrocarbon is ethylene
308	Ester is derived from an unsaturated carboxylic acid	326.1	Chemically after treated solid polymers derived from
309	Ester derived from an unsaturated carboxylic acid is		ethylenically unsaturated monomers only
	reacted in the presence of a solid polymer	326.2	Polymer derived from fluorine monomer
310	Ester reactant derived from an unsaturated carboxylic acid is reacted in the	326.3	Vulcanized or crosslinked in presence of chemical treating agent
	<pre>presence of a solid polymer substrate derived from a polyene hydrocarbon</pre>	326.4	Halogen containing chemical treating agent; or dehalogenated
311	Ester reactant derived from an unsaturated alcohol is	326.5	Polymer derived from silicon monomer
	reacted in the presence of a solid polymer	326.6	Polymer derived from monomer containing atom other than: C,
312	Oxygen atom is part of an ether group		H, N, O, S, halogen or group IA or IIA carboxylate
		326.7	Polymer derived from monomer containing nitrogen atom as part of a heterocyclic ring

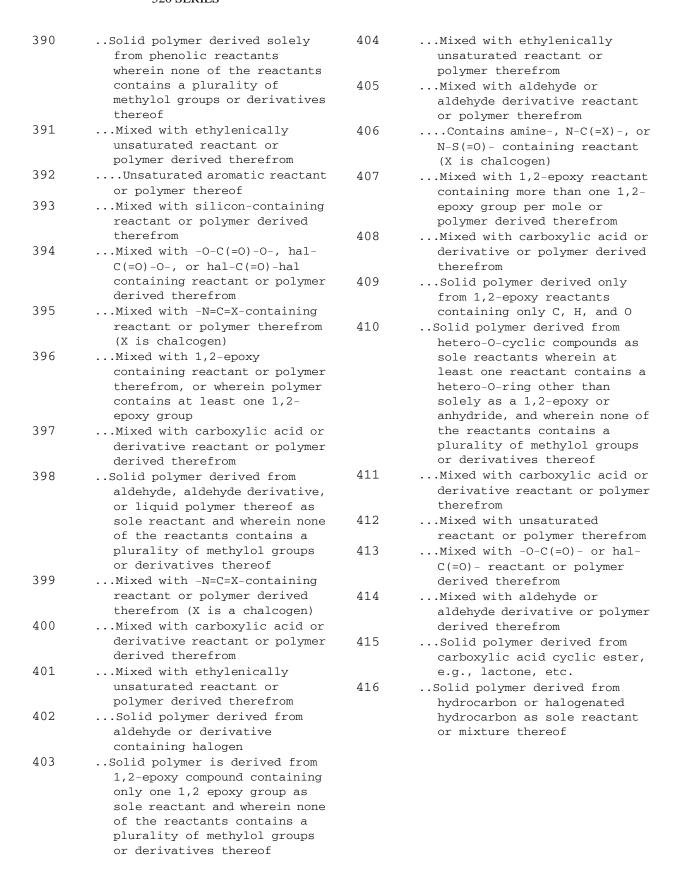
206.0		200 5	
326.8	<pre>0xygen atom in ring or bonded directly to the nuclear</pre>	328.7	Polymer derived from aldehyde monomer
326.9	carbon of ring monomerLactam monomer, e.g., vinyl	328.8	Polymer derived from alcohol monomer
327.1	<pre>pyrrolidone, etc6 membered ring containing 5</pre>	328.9	Polymer derived from ether monomer
	carbons and 1 nitrogen, monomer, e.g., vinyl pyridine, etc.	329.1	Polymer derived from acrylonitrile or methacrylonitrile monomer
327.2	Polymer derived from monomer containing chalcogen as part of heterocyclic ring other	329.2 329.3	InterpolymersContains monomer having two or more ethylenic groups
	than solely as cyclic anhydride of ethylenically unsaturated dicarboxylic acid	329.4	Polymer derived from acrylamide or methacrylamide monomer
327.3	Three membered chalcogen ring monomer, e.g., oxirane,	329.5	Polymer derived from
	etc.		carboxylic acid or derivative monomer other than: vinyl
327.4	Polymer derived from carboxylic acid anhydride monomer		<pre>acetate; or acrylic-or- methacrylic-acid, or derivatives</pre>
327.5	Sulfur containing chemical treating agent	329.6	Butene dioic acid or derivative monomer
327.6	Nitrogen containing chemical treating agent other than unsubstituted ammonium as sole	329.7	Polymer derived from acrylic or methacrylic acids, acid halides or salt monomers
	nitrogen	329.8	Sulfur or phosphorus
327.7	<pre>Esterified, i.e.,   preparation of COOR linkage</pre>		containing chemical treating agent
327.8	<pre>Hydrolyzed; neutralized; or metal containing chemical</pre>	329.9	Nitrogen containing chemical treating agent
327.9	treating agentPolymer from unsaturated	330.1	Esterified, i.e.,
	petroleum hydrocarbon fraction as monomer	330.2	<pre>preparation of COOR linkageHydrolyzed; neutralized; or metal containing chemical</pre>
328.1	Polymer derived from acetylenic monomer	220 2	treating agent
328.2	Polymer derived from monomer containing nitrogen other	330.3	Polymer derived from acrylic or methacrylic esters, or vinyl acetate monomer
	than: unsubstituted ammonium, acrylonitrile, acrylamide, methylolacrylamide and the	330.4	Sulfur or phosphorus containing chemical treating agent
	corresponding methacryl materials	330.5	Nitrogen containing chemical treating agent
328.3	At least one monomer containing two or more	330.6	Alcoholized; transesterified; hydrolyzed;
328.4	ethylenic groupsMonomer containing two or more nitrogen atoms, or two or		or metal containing chemical treating agent; e.g., saponified, etc.
	more nitrogen containing monomers	330.7	Polymer derived from halogen monomer
328.5	Polymer derived from sulfur monomer	330.8	At least one monomer contains two or more ethylenic
328.6	Polymer derived from ketone monomer		groups

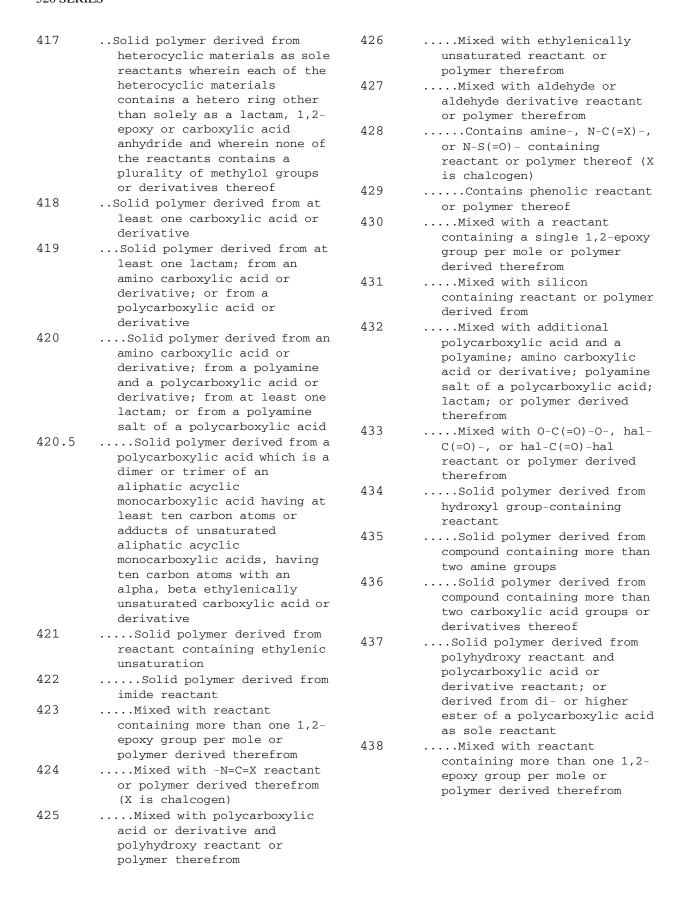
# 525 - 16 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

330.9	Vulcanized or crosslinked, in the presence of a chemical	333.6	Nitrogen containing chemical treating agent
	<pre>treating agent, e.g., cured, etc.</pre>	333.7	Polymer derived from acyclic hydrocarbon monomer only
331.1	Nitrogen containing chemical treating agent	333.8	Air, elemental oxygen, ozone or peroxide chemical treating
331.2	Halogen containing chemical treating agent	333.9	agentSulfur containing chemical
331.3	Nitrogen containing		treating agent
331.4	chemical treating agent	334.1	Halogenated polymer
331.4	Vinvl chloride or	337	Chemical treating agent contains boron or boron-
331.3	vinylidene chloride		containing compound other than
331.6	Halogen containing		boron trihalide or nonmetal complex thereof
331.7	chemical treating agentEthylene-propylene	338	Chemical treating agent
331.7	terpolymer, e.g., EPT, EPDM, EPR, etc.	330	contains elemental hydrogen or an elemental hydrogen-
331.8	Sulfur containing chemical treating agent		<pre>liberating compound, e.g., hydrogenation, etc.</pre>
331.9	Polymer derived from monomer	339	Treating in the presence of
	containing at least two		an elemental metal or
	ethylenic groups or diene		inorganic metallic compound
	rubber	340	Chemical treating agent
332.1	Monomer contains non-		contains a phosphorus atom
	conjugated diene group or at	341	Contains a sulfur atom
	least one fused or bridged	342	Chemical treating agent
	ring or at least one cycloaliphatic structure	343	contains a silicon atomChemical treating agent
332.2	Divinyl benzene	343	contains a sulfur atom
332.3	Halogen containing chemical	344	Inorganic sulfur compound
332.3	treating agent	311	contains sulfur atom bonded to
332.4	Sulfur containing chemical		at least two oxygen atoms
	treating agent	345	With peroxide, ozone, or free
332.5	Vulcanized in the presence		oxygen
	of a chemical treating agent, e.g., cured, crosslinked, etc.	346	With sulfur-free organic compound
332.6	Sulfur containing chemical	347	Sulfur-free organic compound
	treating agent		contains heterocyclic nitrogen
332.7	Nitrogen containing	348	Sulfur-containing
332.8	chemical treating agent	349	heterocyclic compound
332.0	Interpolymer with aliphatic hydrocarbon monomer (includes	349	Heterocyclic ring contains sulfur and nitrogen atoms
	additional diene monomer)	350	Mercaptan or mercaptide
332.9	Interpolymer with aromatic	351	Organic compound contains
	hydrocarbon	331	sulfur and nitrogen atoms
333.1	Isoprene or diene rubber	352	One or more sulfur atoms of
333.2	other than butadiene rubber		the nitrogen-containing
333.2 333.3	Butadiene homopolymerPolymer derived from aromatic		compound are double bonded to carbon
333.3	hydrocarbon monomer, e.g.,	353	Sulfur compound contains
	styrene, etc.	333	sulfur atom bonded to at least
333.4	Halogenated polymer		two oxygen atoms, e.g.,
333.5	Sulfur containing chemical		sulfonate, etc.
	treating agent		

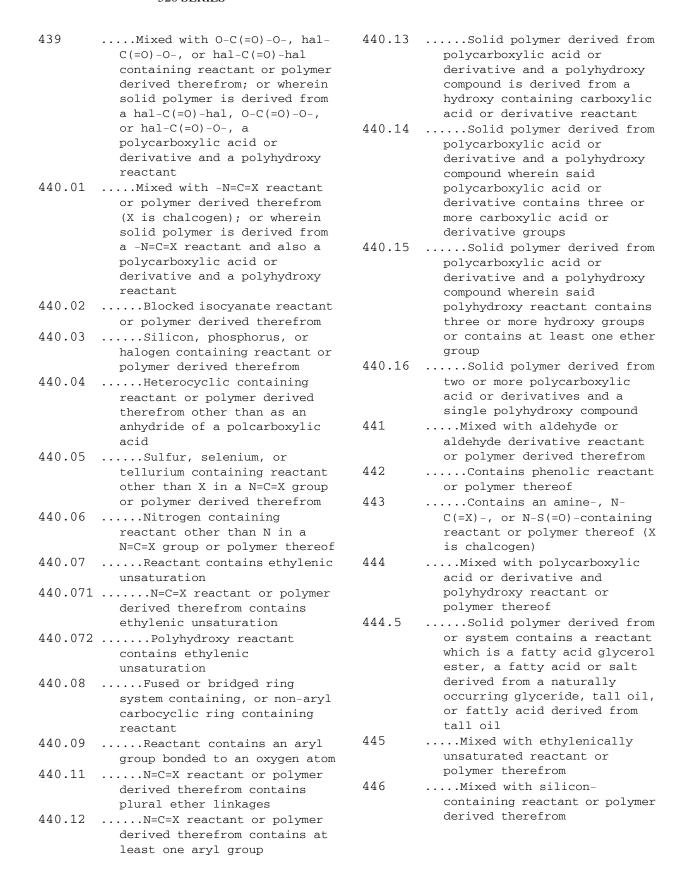
354	Elemental sulfur or inorganic	368	Metal oxide
	sulfur compound	369	Metal hydroxide
355	Chemical treating agent contains hydrogen halide, elemental halogen, organic halogen-containing compound, or compound containing only halogen atoms	370	Contains Group IB (Cu, Ag, Au), IIB (Zn, Cd, Hg), IIIA (Al, Ga, In, Tl), IV (Ti, Zr, Hf, Ge, Sn, Pb), and VIII (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt) elemental metal or compound
356	Treating in the presence of elemental halogen	371	thereofElemental metal or inorganic
357	Treating in the presence of a metal or metal-containing	372	compound thereof
358	compoundTreating in the presence of	373	Group IIB metal (Zn, Cd, Hq) oxide
	water	374	Chemical treating agent is a
359.1	Treating in the presence of organic halogen-containing	375	nitrogen-containing compoundContains nitrogen atom in a
250.0	compound		heterocyclic ring
359.2	<pre>Organic halogen-containing compound contains a hetero ring</pre>	376	Nitrogen-containing compound has at least one nitrogen-to-nitrogen bond
359.3	Organic halogen-containing compound contains oxygen	377	Nitrogen-containing compound contains at least one nitrile
359.4	Organic halogen-containing compound contains a (C=0)0 group or an aromatic group		or isonitrile group; or a nitrogen-to-oxygen bond which is other than as an amine or
359.5	<pre>Organic halogen-containing compound contains only carbon, hydrogen, and halogen</pre>	378	<pre>ammonium saltAmmonia, ammonium hydroxide, or salts thereof</pre>
359.6	Organic halogen-containing	379	Organic amine
33313	compound contains an aromatic group	380	Amine contains a hydroxyl group
360	Chemical treating agent	381	Three or more amine groups
	contains elemental metal or	382	Two amine groups
	metal-containing compound	383	Chemical treating agent
361	Two or more diverse elemental metals or compounds thereof;		contains elemental oxygen or oxygen-containing compound
	or same metal in two or more distinct compounds; or diverse	384	Oxygen compound contains at least one alcohol group
362	metals in same compoundElemental metal or inorganic	385	Oxygen compound contains an
	compound thereof only	386	ether groupOxygen compound is a
363	Aluminum or Group IIB (Zn, Cd, Hg) metal or compound	300	carboxylic acid, ester, anhydride, or lactone thereof
	thereof	387	Oxygen compound contains a
364	Organometallic compound and elemental metal or inorganic		peroxy group (-0-0-)
365	compound thereofAluminum metal or compound	388	Specified oxygen-containing compound is air, elemental
303	thereof	389	oxygen, or ozoneSolid polymer derived from
366	Contains Group IA (Li, Na, K, Rb, Cs, Fr) or Group IIA (Be,		reactant containing atoms other than C, H, N, Si, P,
367	<pre>Mg, Ca, Sr, Ba, Ra) elemental metal or compound thereofElemental metal or inorganic</pre>		chalcogen, halogen, or an alkali or alkaline earth metal in salt form
	metal compound		

#### 525 - 18 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES





#### 525 - 20 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES





### 525 - 22 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

472	Galida and among danish da faran	482	Di
4/2	Solid polymer derived from aldehyde or aldehyde-type	402	Phenolic-aldehyde or phenolic-aldehyde-type
	reactant and wherein none of		reaction product modified with
	the reactants forming the		1,2-monoepoxide prior to
	solid polymer contains a		mixing with reactant
	phenol-, amine-, -N=C=X, -N-		containing more than one 1,2
	S(=0) - or ketone group or a		epoxy group per mole or
	condensate thereof except when	402	polymer derived therefrom
	an amine group appears in	483	Contains sulfur-containing
	hexamethylenetetramine or a		reactant or polymer therefrom
	derivative thereof (X is	484	Contains nitrogen reactant
450	chalcogen)		or polymer therefrom
473	Solid polymer derived from	485	With specified material
	aldehyde or aldehyde-type	486	Specified material contains
	reactant containing atoms		nitrogen
	other than C, H, or O and	487	With silicon-containing
	wherein when		reactant or polymer derived
	hexamethylenetetramine or		therefrom
	derivative is a reactant,	488	With carboxylic acid or
	there is additionally present		derivative reactant or polymer
	a reactant containing atoms		derived therefrom
	other than C, H, or O	489	With additional aldehyde or
474	Solid polymer derived from		aldehyde-type reactant or
	silicon-containing reactant		polymer therefrom which is
475	Mixed with aluminum- or heavy		distinct from aldehyde or
	metal-containing reactant or		aldehyde-type reactant used in
	polymer therefrom		forming solid polymer or SICP;
476	Mixed with reactant containing		or with nitrogen-containing
	more than one 1,2-epoxy group		reactant
	per mole or polymer derived	490	Wherein phenolic-aldehyde or
	therefrom		phenolic-aldehyde-type solid
477	Mixed with silicon-containing		polymer or SICP contains
	reactant or polymer therefrom		nitrogen or ethylenic
478	Wherein one of said silicon		unsaturation
	materials contains Si-H bond	491	Mixed with additional aldehyde
479	Mixed with ethylenically	471	or aldehyde-type reactants
	unsaturated reactant or		which are part of a SPFI
	polymer derived therefrom		system or polymer thereof
480	Solid polymer or specified	492	Additional material is a
	intermediate condensation	472	hydrocarbon-aldehyde- or
	product derived from at least		hydrocarbon-aldehyde-type
	one phenolic reactant and at		polymer, condensate, or
	least one aldehyde or		reactants therefrom
	aldehyde-type reactant or	493	Additional material is
	polymer therefrom	433	
481	Mixed with reactant containing		ketone-aldehyde- or ketone-
	more than one 1,2-epoxy group		aldehyde-type polymer,
	per mole or polymer derived		condensate, or reactants thereof
	therefrom	494	
	2-101 011 011	474	Contains nitrogen-containing
			reactant or polymer therefrom

495	Additional material is amine- , N-C(=X)-, or N-S(=O)-	508	Mixed with carboxylic acid- or derivative-containing chemical
	containing reactant- aldehyde or -aldehyde derivative polymer, condensate, or reactants therefrom (X is chalcogen)	509	treating agentSolid polymer or SICP derived from at least one amine-, N-C(=X)- or N-S(=0) containing reactant and at least one
496	Contains 1,2-epoxy- containing reactant or polymer derived therefrom	510	<pre>aldehyde or aldehyde-type   reactant (X is chalcogen)Mixed with reactant containing</pre>
497	Heterocyclic nitrogen reactant or polymer therefrom, e.g., melamine, etc.	310	more than one 1,2-epoxy group per mole or polymer derived therefrom
498	<pre>N-C(=X)-N-containing   reactant or polymer, e.g.,   urea, etc. (X is chalcogen)</pre>	511 512	With specified materialAmine-, N-C(=X)- or N-S(=O)- containing reactant (X is
499	Contains sulfur reactant or polymer therefrom		chalcogen) aldehyde or a - aldehyde-type condensation
500	Wherein the phenolic- aldehyde- or phenolic- aldehyde-type solid polymer or		<pre>product or polymer thereof contains atoms other than C, H, O, N, or S</pre>
	SICP is derived from a reactant or polymer containing	513	With sulfur-containing reactant or polymer therefrom
501	<pre>an atom other than C, H, or OAdditional phenol-aldehyde- or -aldehyde-type polymer,</pre>	514	With carboxylic acid or derivative reactant or polymer derived therefrom
501.5	condensation product or reactants therefromMixed with reactant which is a	515	Mixed with additional aldehyde or aldehyde-type solid polymer; or SICP; or aldehyde
301.3	fatty acid glycerol ester, a fatty acid or salt derived	516	or aldehyde-type reactantContains a phenolic reactant
	from a naturally occurring		or polymer thereof
	glyceride, tall oil, or a fatty acid derived from tall oil; or the reaction product of any of the above with a polycarboxylic acid or ester forming derivative and a	517	Amine-, N-C(=X)- or N-S(=0)- containing reactant-aldehyde or -aldehyde-type polymer or condensation product contains atoms other than C, H, O, N, or S (X is chalcogen)
502	<pre>polyhydroxy compoundMixed with unsaturated   reactant or polymer derived   therefrom</pre>	517.5	Mixed with a reactant which is a fatty acid glycerol ester, a fatty acid or salt derived from a naturally occurring
503	Mixed with aldehyde or aldehyde-type chemical treating agent		glyceride, tall oil, or a fatty acid derived from tall oil; or the reaction product
504	Mixed with nitrogen-containing chemical treating agent		of any of the above with a polycarboxylic acid or ester
505	Mixed with sulfur-containing chemical treating agent		forming derivative and a polyhydroxy compound
506	Mixed with a boron- or polyvalent metal-containing chemical treating agent	518	Mixed with unsaturated reactant or polymer derived therefrom
507	Mixed with an 1,2-epoxy- containing chemical treating agent	519	Mixed with carboxylic acid or derivative reactant or polymer therefrom

# 525 - 24 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES

520	<pre>Contains -N=C=X reactant or polymer therefrom (X is chalcogen)</pre>	537	Solid polymer derived from alkali metal sulfide and halogenated aromatic reactant,
521	Solid polymer or SICP derived from at least one ketone		e.g., polyarylene sulfide, etc.
	reactant and at least one aldehyde or aldehyde	538	Solid polymer derived from phosphorus-containing reactant
	derivative reactant	539	Solid polymer derived from at
522	Mixed with reactant containing		least one unsaturated reactant
	more than one 1,2-epoxy group		and at least one saturated
	per mole or polymer derived		reactant
F03	therefrom	540	Solid polymer derived from
523	Solid polymer contains more		nitrogen-containing reactant
	than one 1,2-epoxy group or is		
	derived from reactant		
	containing at least one 1,2-		
524	epoxy groupMixed with a reactant	CROSS-	REFERENCE ART COLLECTIONS
J24	containing more than one 1,2-		
	epoxy group per mole or	901	RADIAL BLOCK
	polymer derived therefrom	902	CORE-SHELL
525	Wherein at least one of said	903	INTERPENETRATING NETWORK
	1,2-epoxy reactants or polymer	904	ACTIVATION OF PREFORMED POLYMER
	derived therefrom contains		IN ABSENCE OR MONOMER, FOR
	atoms other than C, H, or O		SUBSEQUENT POLYMERIZATION THEREON (E.G., TRAPPED
526	Contains nitrogen atom		RADICALS)
527	Contains halogen atom	905	POLYPHENYLENE OXIDE
528	$\dots$ Mixed with -N=C=X-containing	906	POLYSULFONE
	reactant or polymer therefrom	907	POLYCARBODIIMIDE
529	Mixed with unsaturated	908	POLYMER CONTAINING A HYDANTOIN
	reactant or polymer derived	300	GROUP
F20	therefrom	909	POLYMER HAVING A HETEROCYCLIC
530	Wherein unsaturated reactant		RING WITH AT LEAST THREE
	is a carboxylic acid or derivative or polymer derived		DIFFERENT ELEMENTS WITHIN THE
	therefrom		RING
531	Wherein unsaturated reactant	910	POLYMER FROM ETHYLENIC MONOMERS
JJ 1	contains only one free		ONLY, HAVING TERMINAL
	carboxyl group		UNSATURATION
532	Contains polyol reactant or	911	POLYMER FROM ETHYLENIC MONOMERS
	polymer derived therefrom		ONLY, HAVING TERMINAL
533	Mixed with carboxylic acid or		FUNCTIONAL GROUP OTHER THAN
	derivative reactant or polymer	912	UNSATURATION
	therefrom	912	POLYMER FROM NONETHYLENIC MONOMERS ONLY, HAVING PENDANT
534	Solid polymer derived from		UNSATURATED GROUP
	phenolic reactant	913	POLYMER FROM MONOMERS ONLY HAVING
535	Solid polymer derived from	313	PENDANT GLYCIDYL GROUP
	sulfur-containing reactant	914	POLYMER FROM CONJUGATED DIENE
536	Solid polymer derived from		HYDROCARBON OR
	sulfur dioxide and		HALOHYDROCARBONS HAVING MORE
	ethylenically unsaturated		THAN 50 PER CENT 1,2-
	reactant		MICROSTRUCTURE
		915	POLYMER FROM MONOETHYLENIC CYCLIC
			HYDROCARBON

916	POLYMER FROM ETHYLENIC MONOMERS ONLY, HAVING CATIONIC GROUP	937	UTILITY AS BODY CONTACT (IMPLANT, CONTACT LENS, I.U.D., ETC.)
917	POLYMER FROM AT LEAST ONE	938	POLYMER DEGRADATION
<i>J</i> ± 1	NONETHYLENIC MONOMER HAVING	939	
	CATIONIC GROUP		MULTIPACKAGE SYSTEM
010		940	HYDROGENATION OF A POLYMER
918	POLYMER PREPARED BY CATIONIC	941	POLYMER MIXTURE CONTAINING BLOCK
919	POLYMERIZATION		COPOLYMER IS MIXED OR REACTED
919	IONOMER RESINS (CARBOXYLATE SALT-	0.40	WITH CHEMICAL TREATING AGENT
020	CONTAINING COPOLYMERS)	942	POLYMER DERIVED FROM NITRILE,
920	POLYURETHANE HAVING TERMINAL ETHYLENIC UNSATURATION		CONJUGATED DIENE AND AROMATIC
001			CO-MONOMERS
921	POLYESTER HAVING TERMINAL		
	ETHYLENIC UNSATURATION OTHER		
000	THAN POLYESTERURETHANES		
922	POLYEPOXIDE POLYMER HAVING BEEN	<u>FOREIGN</u>	ART COLLECTIONS
	REACTED TO YIELD TERMINAL		
000	ETHYLENIC UNSATURATION	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
923	AMINOPLAST HAVING TERMINAL		
	ETHYLENIC UNSATURATION		
924	PHENOPLAST HAVING TERMINAL		
	ETHYLENIC UNSATURATION		
925	POLYMER FROM AT LEAST ONE		
	NONETHYLENIC MONOMER HAVING		
	TERMINAL ETHYLENIC		
	UNSATURATION OTHER THAN		
	POLYURETHANES, POLYESTERS,		
	POLYEPOXIDES, AMINOPLASTS, AND		
006	PHENOPLASTS		
926	POLYAMIDE CONTAINING A PLURALITY		
007	OF OXYALKYLENE GROUPS		
927	POLYAMIDE ADMIXED WITH		
000	OXYALKYLENE-CONTAINING POLYMER		
928	POLYIMIDE OR POLYAMIDE-ACID		
	FORMED BY CONDENSATION OF A		
	POLYAMINE WITH A POLYCARBOXYLIC ACID HAVING AT		
	LEAST THREE CARBOXYL GROUPS OR		
	DERIVATIVES THEREOF		
929	POLYIMIDE FORMED BY ADDITION OF		
222	POLYAMINE TO AN UNSATURATED		
	BIS-IMIDE		
930	REACTION PRODUCT OF A POLYHYDRIC		
J	PHENOL AND EPICHLOROHYDRIN OR		
	DIEPOXIDE, HAVING A MOLECULAR		
	WEIGHT OF OVER 5,000 (E.G.,		
	PHENOXY RESINS)		
931	BLEND OF STATED INCOMPATIBILITY		
932	BLEND OF MATCHED OPTICAL		
, , ,	PROPERTIES		
933	BLEND OF LIMITED GAS PERMEABILITY		
934	POWDERED COATING COMPOSITION		
935	MATRIX ADMIXED WITH SYNTHETIC		
,,,,	FIBER		
936			
<b>ラン</b> ロ	ENCAPSULATED CHEMICAL AGENT		

525 - 26 CLASS 525 SYNTHETIC RESINS OR NATURAL RUBBERS -- PART OF THE CLASS 520 SERIES