CHEMISTRY

C09 DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS

C09D COATING COMPOSITIONS, e.g. PAINTS, VARNISHES OR LACQUERS; FILLING PASTES; CHEMICAL PAINT OR INK REMOVERS; INKS; CORRECTING FLUIDS; WOODSTAINS; PASTES OR SOLIDS FOR COLOURING OR PRINTING; USE OF MATERIALS THEREFOR (cosmetics A61K; processes for applying liquids or other fluent materials to surfaces, in general, B05D; staining wood B27K 5/02; glazes or vitreous enamels C03C; organic macromolecular compounds C08; organic dyes or closely-related compounds for producing dyes, mordants or lakes, per se , C09B; treatment of inorganic materials other than fibrous fillers used as pigments or fillers C09C; natural resins, French polish, drying-oils, driers, turpentine, per se , C09F; polishing compositions other than French polish, ski waxes C09G; preparation of glue or gelatine C09H, {C08H 1/06}; adhesives or use of materials as adhesives C09J; materials for sealing or packing joints or covers C09K 3/10; materials for stopping leaks C09K 3/12; processes for the electrolytic or electrophoretic production of coatings C25D; textile-treating compositions D06; paper-making D21; conductors, insulators H01B)

NOTES

1. In this subclass, the following terms or expressions are used with the meanings indicated:
   • “use of materials for coating compositions” means the use of known or new polymers or products;
   • “rubber” includes:
     a. natural or conjugated diene rubbers;
     b. rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for coating compositions based on such macromolecular compounds);
   • “based on” is defined by means of Note 3, below;
   • “filling pastes” means materials used to fill up the holes or cavities of a substrate in order to smooth its surface prior to coating.

2. In this subclass, coating compositions containing specific macromolecular substances are classified only according to the macromolecular substance, non-macromolecular substances not being taken into account.
   Example: a coating composition containing polyethylene and amino-propyltrimethoxysilane is classified in group C09D 123/06.
   However, coating compositions containing combinations of organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond with prepolymers or polymers other than unsaturated polymers of groups C09D 159/00 - C09D 187/00 are classified according to the unsaturated non-macromolecular component in group C09D 4/00.
   Example: a coating composition containing polyethylene and styrene monomer is classified in group C09D 4/06.
   Aspects relating to the physical nature of the coating compositions or to the effects produced, as defined in group C09D 5/00, if clearly and explicitly stated, are also classified in this subclass.
   Coating compositions characterised by other features, e.g. additives, are classified in group C09D 7/00, unless the macromolecular constituent is specified.

3. In this subclass, coating compositions comprising two or more macromolecular constituents are classified according to the macromolecular constituent or constituents present in the highest proportion, i.e. the constituent on which the composition is based. If the composition is based on two or more constituents, present in equal proportions, the composition is classified according to each of these constituents.
   Examples:
   A coating composition containing 80 parts of polyethylene and 20 parts of polyvinylchloride is classified in group C09D 123/06.
   A coating composition containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups C09D 123/06 and C09D 127/06.

4. Documents classified up until 04.2012: after the notation of group C09D 4/06, and separated therefrom by a + sign, notations concerning the macromolecular compound may be added. The notations are selected from the main groups C08F 251/00 - C08F 291/00 and from the subgroups of C08F 290/00 - C08F 290/048 and C08F 290/08 - C08F 290/128.
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

- **C09D 4/02** covered by C09D 4/00, C08F 220/00
- **C09D 4/04** covered by C09D 4/00, C08F 222/00
- **C09D 5/23** covered by H01F 41/16
- **C09D 5/25** covered by H01B 3/308
- **C09D 5/33** covered by C09D 5/004
- **C09D 5/46** covered by C09D 5/03
- **C09D 161/08, C09D 161/10** covered by C09D 161/06
- **C09D 163/02** covered by C09D 163/00
- **C09D 171/08** covered by C09D 171/02
- **C09D 171/10** covered by C09D 171/12
- **C09D 183/05** covered by C09D 183/04
- **C09D 183/07** covered by C09D 183/04, C09D 183/06

**WARNINGS**

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
Coating compositions, e.g. paints, varnishes or lacquers, based on inorganic substances (C04B 5/08)

1/00 Coating compositions, e.g. paints, varnishes or lacquers, based on organic non-macromolecular compounds having at least one polymatisable carbon-to-carbon unsaturated bond; Coating compositions, based on monomers of macromolecular compounds of groups C09D 183/00 - C09D 183/16

4/06 (Organic non-macromolecular compounds having at least one polymatisable carbon-to-carbon unsaturated bond) in combination with a macromolecular compound other than an unsaturated polymer of groups C09D 159/00 - C09D 187/00

5/00 Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes

5/02 Emulsion paints (including aerosols)
5/04 Reflecting paints; Signal paints
5/06 Anti-reflective coatings
5/08 Temporary coatings (C09D 5/20 takes precedence)

5/02 [Priming paints (C09D 5/08 takes precedence)]
5/04 [Reflecting paints; Signal paints]
5/06 [Anti-reflective coatings]
5/08 [Temporary coatings (C09D 5/20 takes precedence)]

5/02 Emulsion paints (including aerosols)
5/04 Reflecting paints; Signal paints
5/06 Anti-reflective coatings
5/08 Temporary coatings (C09D 5/20 takes precedence)

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.
C09D

5/44 . . for electrophoretic applications (processes for coating by electrophoresis C25D 13/00)

NOTE
The groups C09D 5/4403 - C09D 5/4476 relating to paints based on a specified film-forming polymer or mixture of polymers take precedence over the groups C09D 5/448 - C09D 5/4496 relating to paints characterised by other features

5/4403 . . . [with rubbers]
5/4407 . . . [with polymers obtained by polymerisation reactions involving only carbon-to-carbon unsaturated bonds]
5/4411 . . . [Homopolymers or copolymers of acrylates or methacrylates]
5/4415 . . . [Copolymers wherein one of the monomers is based on an epoxy resin]
5/4419 . . . [with polymers obtained otherwise than by polymerisation reactions only involving carbon-to-carbon unsaturated bonds]
5/4423 . . . [Polyesters, esterified polyepoxides]
5/4426 . . . . [Esterified polyepoxides]
5/443 . . . . [Polyepoxides]
5/4434 . . . . [characterised by the nature of the epoxy binder]
5/4438 . . . . . [Binder based on epoxy/amine adducts, i.e. reaction products of polyepoxides with compounds containing amino groups only]
5/4442 . . . . . [Binder characterised by functional groups]
5/4446 . . . . . . [Aliphatic groups, e.g. ester]
5/4449 . . . . . . [Heterocyclic groups, e.g. oxazolidine]
5/4453 . . . . . . [characterised by the nature of the curing agent]
5/4457 . . . . . [containing special additives, e.g. pigments, polymeric particles]
5/4461 . . . . [Polyamides; Polyimides]
5/4465 . . . . [Polyurethanes]
5/4469 . . . . [Phenoplasts; Aminoplasts]
5/4473 . . . . [Mixture of polymers]
5/4476 . . . . [comprising polymerisation in situ]
5/448 . . . . . [characterised by the additives used (C09D 5/4403 - C09D 5/4476, C09D 5/4492 take precedence)]
5/4484 . . . . . [Anodic paints (C09D 5/4403 - C09D 5/4476 take precedence)]
5/4488 . . . . . [Cathodic paints (C09D 5/4403 - C09D 5/4476 take precedence)]
5/4492 . . . . . [containing special additives, e.g. grinding agents]
5/4496 . . . . . [characterised by the nature of the curing agents]

7/00 Features of coating compositions, not provided for in group C09D 5/00 (driers C09F 9/00);
Processes for incorporating ingredients in coating compositions
7/20 . . Diluents or solvents
7/40 . . Additives

7/41 . . . Organic pigments; Organic dyes

WARNING
Group C09D 7/41 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/42 . . . Gloss-reducing agents

WARNING
Group C09D 7/42 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/43 . . . Thickening agents

WARNING
Group C09D 7/43 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/44 . . . Combinations of two or more thickening agents

WARNING
Group C09D 7/44 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/45 . . . Anti-settling agents

WARNING
Group C09D 7/45 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.

7/46 . . . Anti-skimming agents

WARNING
Group C09D 7/46 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70.
All groups listed in this Warning should be considered in order to perform a complete search.
WARNING
Group C09D 7/47 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70. All groups listed in this Warning should be considered in order to perform a complete search.

7/48 . . . . . . Stabilisers against degradation by oxygen, light or heat

WARNING
Group C09D 7/48 is incomplete pending reclassification of documents from groups C09D 7/60, C09D 7/61, C09D 7/62, C09D 7/63, C09D 7/65 and C09D 7/70. All groups listed in this Warning should be considered in order to perform a complete search.

7/60 . . . . . . non-macromolecular (C09D 7/41-C09D 7/48 take precedence)

WARNING
Group C09D 7/60 is impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, and C09D 7/48. All groups listed in this Warning should be considered in order to perform a complete search.

7/61 . . . . . . inorganic

WARNING
Group C09D 7/61 is incomplete pending reclassification of documents from group C09D 7/70. Group C09D 7/61 is also impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, and C09D 7/48. All groups listed in this Warning should be considered in order to perform a complete search.

7/62 . . . . . . modified by treatment with other compounds

WARNING
Group C09D 7/62 is incomplete pending reclassification of documents from group C09D 7/70. Group C09D 7/62 is also impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, and C09D 7/48. All groups listed in this Warning should be considered in order to perform a complete search.

7/63 . . . . . . organic

WARNING
Group C09D 7/63 is impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, and C09D 7/48. All groups listed in this Warning should be considered in order to perform a complete search.

7/65 . . . . . . macromolecular (C09D 7/41-C09D 7/48 take precedence)

WARNING
Group C09D 7/65 is incomplete pending reclassification of documents from group C09D 7/70. Group C09D 7/65 is also impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, and C09D 7/48. All groups listed in this Warning should be considered in order to perform a complete search.

7/66 . . . . . . (characterised by particle size)

7/67 . . . . . . (Particle size smaller than 100 nm)

7/68 . . . . . . (Particle size between 100-1000 nm)

7/69 . . . . . . (Particle size larger than 1000 nm)

7/70 . . . . . . (characterised by shape, e.g. fibres, flakes or microspheres)

WARNING
Group C09D 7/70 is impacted by reclassification into groups C09D 7/41, C09D 7/42, C09D 7/43, C09D 7/44, C09D 7/45, C09D 7/46, C09D 7/47, C09D 7/48, C09D 7/61, C09D 7/62 and C09D 7/65. All groups listed in this Warning should be considered in order to perform a complete search.

7/71 . . . . . . (Paint detackifiers or coagulants, e.g. for the treatment of oversprays in paint spraying installations (chemical paint removers C09D 9/00))

7/80 . . Processes for incorporating ingredients

9/00 Chemical paint or ink removers (fluid media for correction of typographical errors by coating C09D 10/00)

9/005 . . . . . . containing organic solvents

9/02 . . . . . . with abrasives

9/04 . . . . . . with surface-active agents

10/00 Correcting fluids, e.g. fluid media for correction of typographical errors by coating [(correcting errors by overprinting B41J 29/36)]

11/00 Inks

11/02 . . . . . . Printing inks (C09D 11/30 takes precedence)

11/023 . . . Emulsion inks

11/0235 . . . Duplicating inks, e.g. for stencil printing

11/03 . . . . . . characterised by features other than the chemical nature of the binder
Coating compositions based on polysaccharides or on their derivatives

103/00 Coating compositions based on starch, amylose or amylopectin or on their derivatives or degradation products

103/02 Starch; Degradation products thereof, e.g. dextrin
103/04 Starch derivatives
103/06 Esters
103/08 Ethers
103/10 Oxidised starch
103/12 Amylose; Amylopectin; Degradation products thereof
103/14 Amylose derivatives; Amylopectin derivatives
103/16 Esters
103/18 Ethers
103/20 Oxidised amylose; Oxidised amylopectin

105/00 Coating compositions based on polysaccharides or on their derivatives, not provided for in groups C09D 101/00 or C09D 103/00

105/02 Dextran; Derivatives thereof
105/04 Algicin acid; Derivatives thereof
105/06 Pectin; Derivatives thereof
105/08 Chinin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
105/10 Heparin; Derivatives thereof
105/12 Agar-agar; Derivatives thereof
105/14 Hemicellulose; Derivatives thereof
105/16 Cyclodextrin; Derivatives thereof

Coating compositions based on rubbers or on their derivatives

107/00 Coating compositions based on natural rubber
Coating compositions based on rubbers or on their derivatives

Coating compositions based on homopolymers or copolymers of conjugated diene hydrocarbons

Coating compositions based on homopolymers or copolymers of unsaturated aliphatic hydrocarbons

Coating compositions based on rubbers or on their derivatives

Coating compositions based on unspecified rubbers

Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds

Coating compositions based on homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Coating compositions based on derivatives of such polymers

Coating compositions based on homopolymers or copolymers of unsaturated aliphatic hydrocarbons having one or more unsaturated aliphatic radicals, each having only one C=C double bond, and at least one being terminated by an aromatic carbocyclic ring; Coating compositions based on derivatives of such polymers

Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated bond
Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

125/18 . Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen

127/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen; Coating compositions based on derivatives of such polymers

127/02 . not modified by chemical after-treatment
127/04 . containing chlorine atoms
127/06 . . Homopolymers or copolymers of vinyl chloride
127/08 . . Homopolymers or copolymers of vinylidene chloride
127/10 . containing bromine or iodine atoms
127/12 . containing fluorine atoms
127/14 . . Homopolymers or copolymers of vinyl fluoride
127/16 . . Homopolymers or copolymers of vinylidene fluoride
127/18 . . Homopolymers or copolymers of tetrafluoroethylene
127/20 . . Homopolymers or copolymers of hexafluoropropene
127/22 . modified by chemical after-treatment
127/24 . halogenated

129/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen; Coating compositions based on derivatives of such polymers

129/02 . Homopolymers or copolymers of unsaturated alcohols (C09D 129/14 takes precedence)
129/04 . Polyvinyl alcohol: Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids; Coating compositions based on derivatives of such polymers
129/06 . Copolymers of allyl alcohol
129/08 . with vinyl aromatic monomers
129/10 . Homopolymers or copolymers of unsaturated ethers (C09D 135/08 takes precedence)
129/12 . Homopolymers or copolymers of unsaturated ketones
129/14 . Homopolymers or copolymers of acetics or ketals obtained by polymerisation of unsaturated acetics or ketals or by after-treatment of polymers of unsaturated alcohols

131/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid, or of a haliformic acid (based on hydrolysed polymers C09D 129/00); Coating compositions based on derivatives of such polymers

131/02 . Homopolymers or copolymers of esters of monocarboxylic acids
Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

137/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (based on polymers of cyclic esters of polyfunctional acids C09D 131/00; based on polymers of cyclic anhydrides of unsaturated acids C09D 135/00); Coating compositions based on derivatives of such polymers

139/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen; Coating compositions based on derivatives of such polymers

139/02 Homopolymers or copolymers of vinylamine
139/04 Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
139/06 Homopolymers or copolymers of N-vinyl-pyrrolidones
139/08 Homopolymers or copolymers of vinyl-pyridine

141/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur; Coating compositions based on derivatives of such polymers

143/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing boron, silicon, phosphorus, selenium, tellurium, or a metal; Coating compositions based on derivatives of such polymers

143/02 Homopolymers or copolymers of monomers containing phosphorus
143/04 Homopolymers or copolymers of monomers containing silicon

145/00 Coating compositions based on homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic system; Coating compositions based on derivatives of such polymers (based on polymers of cyclic esters of polyfunctional acids C09D 131/00; based on polymers of cyclic anhydrides or imides C09D 135/00)

145/02 Coumarone-indene polymers

147/00 Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Coating compositions based on derivatives of such polymers (C09D 145/00 takes precedence; based on conjugated diene rubbers C09D 109/00 - C09D 121/00)

149/00 Coating compositions based on homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Coating compositions based on derivatives of such polymers

151/00 Coating compositions based on graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (based on ABS polymers C09D 155/00); Coating compositions based on derivatives of such polymers

151/003 { grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds (C09D 151/04, C09D 151/06 take precedence)}
151/006 { grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}
151/02 grafted on to polysaccharides
151/04 grafted on to rubbers
151/06 grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond
151/08 grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
151/085 [on to polysiloxanes]
151/10 grafted on to inorganic materials

153/00 Coating compositions based on block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Coating compositions based on derivatives of such polymers

153/005 [Modified block copolymers]
153/02 Vinyl aromatic monomers and conjugated dienes
153/025 [modified]

155/00 Coating compositions based on homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups C09D 123/00 - C09D 153/00

155/005 [Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond]
155/02 ABS [Acrylonitrile-Butadiene-Styrene] polymers
155/04 Polyadducts obtained by the diene synthesis

157/00 Coating compositions based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds

157/02 Copolymers of mineral oil hydrocarbons
157/04 Copolymers in which only the monomer in minority is defined
157/06 Homopolymers or copolymers containing elements other than carbon and hydrogen
157/08 containing halogen atoms
157/10 containing oxygen atoms
157/12 containing nitrogen atoms
Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds

159/00 Coating compositions based on polyacetal derivatives of such polymers (with polyalcohols C09D 159/00; with polyaldehydes C09D 177/00); Coating compositions based on derivatives of such polymers

161/00 Coating compositions based on condensation polymers of aldehydes or ketones (with polyalcohols C09D 159/00; with polyaldehydes C09D 177/00); Coating compositions based on derivatives of such polymers

163/00 Coating compositions based on epoxy resins; Coating compositions based on derivatives of epoxy resins

165/00 Coating compositions based on macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain (C09D 107/00 - C09D 157/00, C09D 161/00 take precedence); Coating compositions based on derivatives of such polymers

NOTE
In groups C09D 165/00 - C09D 185/00, in the absence of an indication to the contrary, adhesives based on macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified according to the linkage present in excess.

165/04 . Polyxylylenes
167/00 Coating compositions based on polyesters obtained by reactions forming a carboxylic ester link in the main chain (based on polyester-amides C09D 177/12; based on polyester-imides C09D 179/08); Coating compositions based on derivatives of such polymers

167/02 . Polymers derived from dicarboxylic acids and dihydroxy compounds (C09D 167/06 takes precedence)

167/025 . [containing polyether sequences]
167/03 . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings
167/04 . Polymers derived from hydroxy-carboxylic acids, e.g. lactones (C09D 167/06 takes precedence)
167/06 . Unsaturated polyesters having carbon-to-carbon unsaturation
167/07 . having terminal carbon-to-carbon unsaturated bonds
167/08 . Polymers modified with higher fatty oils or their acids, or with natural resins or resin acids

169/00 Coating compositions based on polycarbonates; Coating compositions based on derivatives of polycarbonates

169/005 . {Polyester-carbonates}
171/00 Coating compositions based on polyethers obtained by reactions forming an ether link in the main chain (based on polyacetals C09D 159/00; based on epoxy resins C09D 163/00; based on polythioether-ethers C09D 181/02; based on polyestersulfones C09D 181/06); Coating compositions based on derivatives of such polymers

171/02 . Polyalkylene oxides
171/03 . Polyephalohydrins
171/08 . Polymers derived from hydroxy compounds or from their metallic derivatives (C09D 171/02 takes precedence) {not used}
171/10 . from phenols {not used}
171/12 . Polyphenylene oxides
171/14 . Furfuryl alcohol polymers

173/00 Coating compositions based on macromolecular compounds obtained by reactions forming a linkages containing oxygen or oxygen and carbon in the main chain, not provided for in groups C09D 159/00 - C09D 171/00; Coating compositions based on derivatives of such polymers

173/02 . Polyanhydrides
175/00 Coating compositions based on polureas or polyurethanes; Coating compositions based on derivatives of such polymers

175/02 . Polureas
175/04 . Polyurethanes
175/06 . from polyesters
175/08 . from polyethers
175/10 . from polyacetals
175/12 . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group
Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving...

C09D

175/14 . . Polyurethanes having carbon-to-carbon unsaturated bonds
175/16 . . having terminal carbon-to-carbon unsaturated bonds

177/00 Coating compositions based on polyamides obtained by reactions forming a carboxylic amide link in the main chain (based on polyhydrazides C09D 179/06; based on polyamide-imides C09D 179/08); Coating compositions based on derivatives of such polymers

177/02 . Polyamides derived from omega-amino carboxylic acids or from lactams thereof (C09D 177/10 takes precedence)
177/04 . Polyamides derived from alpha-amino carboxylic acids (C09D 177/10 takes precedence)
177/06 . Polyamides derived from polyamines and polycarboxylic acids (C09D 177/10 takes precedence)
177/08 . . from polyamines and polymerised unsaturated fatty acids
177/10 . Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids
177/12 . Polyester-amides

179/00 Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing nitrogen, with or without oxygen, or carbon only, not provided for in groups C09D 161/00 - C09D 177/00

179/02 . Polyamines
179/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polymamide acids or similar polyimide precursors
179/06 . . Polyhydrazides; Polytriazoles; Polyanim-triazoles; Polynitroxadiazoles
179/08 . . Polyimides; Polymer-imides; Polyamide-imides; Polymamide acids or similar polyimide precursors
179/085 . . . {Unsaturated polyimide precursors}

181/00 Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing sulfur, with or without nitrogen, oxygen, or carbon only; Coating compositions based on polysulfones; Coating compositions based on derivatives of such polymers

181/02 . . Polythioethers; Polythioether-ethers
181/04 . Polysulfides
181/06 . Polysulfones; Polyethersulfones
181/08 . Polysulfonates
181/10 . Polysulfonamides; Polysulfonimid es

183/00 Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing silicon, with or without sulfur, nitrogen, oxygen, or carbon only; Coating compositions based on derivatives of such polymers

**NOTE**

In this main group and its subgroups, from 01.09.2010 onwards, new documents are classified according to the following system. The coating composition is identified with the C-Set, e.g. (C09D 183/04, C08L 83/04) (for a coating composition containing two or more siloxanes), while the information as to which different polymers are present in the coating composition is identified with additional indexing codes, e.g. C08G 77/12 and C08G 77/20.

183/02 . Polysilicates
183/04 . Polysiloxanes
183/06 . . containing silicon bound to oxygen-containing groups (C09D 183/12 takes precedence)
183/08 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen
183/10 . Block or graft copolymers containing polysiloxane sequences (obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane C09D 151/08, C09D 153/00)
183/12 . . containing polyether sequences
183/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms (C09D 183/10 takes precedence)
183/16 . in which all the silicon atoms are connected by linkages other than oxygen atoms

185/00 Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing atoms other than silicon, sulfur, nitrogen, oxygen, and carbon; Coating compositions based on derivatives of such polymers

185/02 . containing phosphorus
185/04 . containing boron

187/00 Coating compositions based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds

187/005 . {Block or graft polymers not provided for in groups C09D 101/00 - C09D 185/04}

**Coating compositions based on natural macromolecular compounds or on derivatives thereof** (based on polysaccharides C09D 101/00 - C09D 105/00; based on natural rubber C09D 107/00)

188/00 Coating compositions based on proteins; Coating compositions based on derivatives thereof (foodstuff preparations A23J 3/00)

188/005 . {Casein}
189/02 . Casein-aldehyde condensates
189/04 . Products derived from waste materials, e.g. horn, hoof or hair
189/06 . . derived from leather or skin

191/00 Coating compositions based on oils, fats or waxes; Coating compositions based on derivatives thereof (polishing compositions, ski waxes C09H; soaps, detergent compositions C11D)

191/005 . {Drying oils}
191/02 . Vulcanised oils, e.g. factice
191/04 . Linoxyn
191/06 . Waxes
191/08 . . Mineral waxes
Coating compositions based on natural macromolecular compounds or on derivatives thereof

193/00 Coating compositions based on natural resins;
Coating compositions based on derivatives thereof
(polishing compositions C09G)
193/02  . Shellac
193/04  . Rosin

195/00 Coating compositions based on bituminous materials, e.g. asphalt, tar, pitch
195/005  . [Aqueous compositions, e.g. emulsions]

197/00 Coating compositions based on lignin-containing materials
197/002  . [Peat, lignite, coal (briquettes C10L 5/00; working-up peat; ceramic products based on carbon or carbides)]
197/005  . [Lignin]
197/007  . [Cork]
197/02  . Lignocellulosic material, e.g. wood, straw or bagasse

199/00 Coating compositions based on natural macromolecular compounds or on derivatives thereof, not provided for in groups
C09D 189/00 - C09D 197/00

201/00 Coating compositions based on unspecified macromolecular compounds
201/005  . [Dendritic macromolecules]
201/02  . characterised by the presence of specified groups [.
  e.g. terminal or pendant functional groups]
201/025  . . [containing nitrogen atoms]
201/04  . . containing halogen atoms
201/06  . . containing oxygen atoms ([C09D 201/025 takes precedence])
201/08  . . . Carboxyl groups
201/10  . . . containing hydrolysable silane groups