SECTION C — CHEMISTRY; METALLURGY

C09 DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; COMPOSITIONS NOT OTHERWISE PROVIDED FOR; APPLICATIONS OF MATERIALS NOT OTHERWISE PROVIDED FOR

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; natural resins, French polish, drying-oils, driers, turpentine, per se, C09F; polishing compositions other than French polish, ski waxes C09G; 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) **[5]**

Note(s) [5]

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 organic macromolecular substances are classified only according to the macromolecular substance, non-macromolecular substances not being taken into account.
   Example: a coating composition containing polyethene 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 polyethene and styrene monomer is classified in group C09D 4/00.
   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.
   Example: a coating composition containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in group C09D 123/06.
   A coating composition containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups C09D 123/06 and C09D 127/06.

Subclass index

1/00 Coating compositions, e.g. paints, varnishes or lacquers, based on inorganic substances [1, 2006.01]
1/02 • alkali metal silicates **[1, 2006.01]**
1/04 • • with organic additives **[1, 2006.01]**
1/06 • cement **[1, 2006.01]**
1/08 • • with organic additives **[1, 2006.01]**
1/10 • lime **[1, 2006.01]**
1/12 • • with organic additives **[1, 2006.01]**

4/00 Coating compositions, e.g. paints, varnishes or lacquers, based on organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond [5, 2006.01]
4/02 • Acrylmonomers **[5, 2006.01]**
4/04 • • Cyanoacrylate monomers **[5, 2006.01]**
4/06 • in combination with a macromolecular compound other than an unsaturated polymer of groups C09D 159/00-C09D 187/00 **[5, 2006.01]**

5/00 Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes [1, 5, 2006.01]
5/02 • Emulsion paints **[1, 2006.01]**
5/03 • Powdery paints (C09D 5/46 takes precedence) **[4, 2006.01]**
5/04 • Thixotropic paints **[1, 2006.01]**
5/06 • Artists' paints **[1, 2006.01]**
5/08 • Anti-corrosive paints **[1, 2006.01]**
5/10 • • containing metal dust **[1, 2006.01]**
5/12 • • Wash primers **[1, 2006.01]**
5/14 • Paints containing biocides, e.g. fungicides, insecticides or pesticides (C09D 5/16 takes precedence) **[1, 6, 2006.01]**
5/16 • Anti-fouling paints; Underwater paints **[1, 6, 2006.01]**
5/18 • Fireproof paints **[1, 2006.01]**
5/20 • for coatings strippable as coherent films, e.g. temporary coatings strippable as coherent films **[1, 2006.01]**
5/22 • Luminous paints **[1, 2006.01]**
5/23 • Magnetisable or magnetic paints or lacquers **[2, 2006.01]**
5/24 • Electrically-conducting paints **[1, 2006.01]**
5/25 • Electrically-insulating paints or lacquers **[2, 2006.01]**
5/26 • Thermosensitive paints **[1, 2006.01]**
5/28 • for wrinkle, crackle, orange-peel, or similar decorative effects **[1, 2006.01]**
5/29 • for multicolour effects **[2, 2006.01]**
5/30 • Camouflage paints **[1, 2006.01]**
5/32 • Radiation-absorbing paints **[1, 2006.01]**
5/33 • Radiation-reflecting paints (C09D 5/30 takes precedence) **[4, 2006.01]**
5/34 • Filling pastes (materials for sealing or packing joints or covers C09K 3/10; materials for stopping leaks C09K 3/12) **[1, 2006.01]**
5/36 • Pearl essence, e.g. coatings containing platelet-like pigments for pearl lustre **[1, 2006.01]**
5/38 • Paints containing free metal not provided for in groups C09D 5/00-C09D 5/36 **[2, 2006.01]**
5/44 • for electrophoretic applications (C09D 5/46 takes precedence; processes for coating by electrophoresis C25D 13/00) **[4, 2006.01]**
5/46 • for flame-spraying; for electrostatic or whirl-sintering coating **[4, 2006.01]**

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 [1, 2006.01, 2018.01]**
7/20 • Diluents or solvents **[2018.01]**
7/40 • Additives **[2018.01]**
7/41 • • Organic pigments; Organic dyes **[2018.01]**
7/42 • • Gloss-reducing agents **[2018.01]**
7/43 • • Thickening agents **[2018.01]**
7/44 • • • Combinations of two or more thickening agents **[2018.01]**
7/45 • • Anti-settling agents **[2018.01]**
7/46 • • Anti-skinning agents **[2018.01]**
7/47 • • Levelling agents **[2018.01]**
7/48 • • Stabilisers against degradation by oxygen, light or heat **[2018.01]**
7/60 • • non-macromolecular (C09D 7/41-C09D 7/48 take precedence) **[2018.01]**
7/61 • • • inorganic **[2018.01]**
7/62 • • • • modified by treatment with other compounds **[2018.01]**
7/63 • • • organic **[2018.01]**
7/65 • • macromolecular (C09D 7/41-C09D 7/48 take precedence) **[2018.01]**
7/80 • Processes for incorporating ingredients **[2018.01]**

9/00 Chemical paint or ink removers (fluid media for correction of typographical errors by coating C09D 10/00) **[1, 4, 2006.01]**
9/02 • with abrasives **[1, 2006.01]**
9/04 • with surface-active agents **[1, 2006.01]**

10/00 Correcting fluids, e.g. fluid media for correction of typographical errors by coating [5, 2006.01]

11/00 Inks [1, 2006.01, 2014.01]
11/02 • Printing inks (C09D 11/30 takes precedence) **[1, 2006.01, 2014.01]**
11/023 • • Emulsion inks **[2014.01]**
11/0235 • • • Duplicating inks, e.g. for stencil printing **[2014.01]**
11/03 • • characterised by features other than the chemical nature of the binder **[2014.01]**
11/033 • • • characterised by the solvent **[2014.01]**
11/037 • • • characterised by the pigment **[2014.01]**
11/04 • • based on proteins **[1, 2006.01]**
11/06 • • based on fatty oils **[1, 2006.01]**
11/08 • • based on natural resins **[1, 2006.01]**
11/10 • • based on artificial resins **[1, 2006.01, 2014.01]**
11/101 • • • Inks specially adapted for printing processes involving curing by wave energy or particle radiation, e.g. with UV-curing following the printing **[2014.01]**
11/102 • • • containing macromolecular compounds obtained by reactions other than those only involving unsaturated carbon-to-carbon bonds **[2014.01]**
11/103 • • • • of aldehydes, e.g. phenol-formaldehyde resins **[2014.01]**
11/104 • • • • Polyesters **[2014.01]**
11/105 • • • • • Alkyd resins **[2014.01]**
11/106 • • • containing macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds **[2014.01]**
11/107 • • • • from unsaturated acids or derivatives thereof **[2014.01]**

11/108 • • • • Hydrocarbon resins **[2014.01]**
11/12 • • based on waxes or bitumen **[1, 2006.01]**
11/14 • • based on carbohydrates **[1, 2006.01]**
11/16 • Writing inks **[1, 2006.01, 2014.01]**
11/17 • • characterised by colouring agents **[2014.01]**
11/18 • • for use in ball-point writing instruments **[1, 2006.01]**
11/20 • • indelible **[1, 2006.01]**
11/30 • Inkjet printing inks **[2014.01]**
11/32 • • characterised by colouring agents **[2014.01]**
11/322 • • • Pigment inks **[2014.01]**
11/324 • • • • containing carbon black **[2014.01]**
11/326 • • • • characterised by the pigment dispersant **[2014.01]**
11/328 • • • characterised by dyes **[2014.01]**
11/34 • • Hot-melt inks **[2014.01]**
11/36 • • based on non-aqueous solvents **[2014.01]**
11/38 • • characterised by non-macromolecular additives other than solvents, pigments or dyes **[2014.01]**
11/40 • • Ink-sets specially adapted for multi-colour inkjet printing **[2014.01]**
11/50 • Sympathetic, colour-changing or similar inks **[2014.01]**
11/52 • Electrically conductive inks **[2014.01]**
11/54 • Inks based on two liquids, one liquid being the ink, the other liquid being a reaction solution, a fixer or a treatment solution for the ink **[2014.01]**

13/00 Pencil-leads; Crayon compositions; Chalk compositions [1, 2006.01]

15/00 Woodstains [2, 2006.01]

17/00 Pigment pastes, e.g. for mixing in paints [2, 2006.01]

Coating compositions based on polysaccharides or on their derivatives [5]

Note(s) [2006.01]

1. In groups C09D 101/00-C09D 201/00, any macromolecular constituent of a coating composition which is not identified by the classification according to Note (3) after the title of subclass C09D, and the use of which is determined to be novel and non-obvious, must also be classified in a group chosen from groups C09D 101/00-C09D 201/00.
2. Any macromolecular constituent of a coating composition which is not identified by the classification according to Note (3) after the title of subclass C09D or Note (1) above, and which is considered to represent information of interest for search, may also be classified in a group chosen from groups C09D 101/00-C09D 201/00. This can for example be the case when it is considered of interest to enable searching of coating compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information."

101/00 Coating compositions based on cellulose, modified cellulose, or cellulose derivatives [5, 2006.01]
101/02 • Cellulose; Modified cellulose **[5, 2006.01]**
101/04 • • Oxycellulose; Hydrocellulose **[5, 2006.01]**
101/06 • • Cellulose hydrate **[5, 2006.01]**
101/08 • Cellulose derivatives **[5, 2006.01]**
101/10 • • Esters of organic acids (of both organic acids and inorganic acids C09D 101/20) **[5, 2006.01]**
101/12 • • • Cellulose acetate **[5, 2006.01]**
101/14 • • • Mixed esters, e.g. cellulose acetate-butyrate **[5, 2006.01]**
101/16 • • Esters of inorganic acids (of both organic acids and inorganic acids C09D 101/20) **[5, 2006.01]**
101/18 • • • Cellulose nitrate **[5, 2006.01]**
101/20 • • Esters of both organic acids and inorganic acids **[5, 2006.01]**
101/22 • • Cellulose xanthate **[5, 2006.01]**
101/24 • • • Viscose **[5, 2006.01]**
101/26 • • Cellulose ethers **[5, 2006.01]**
101/28 • • • Alkyl ethers **[5, 2006.01]**
101/30 • • • Aryl ethers; Aralkyl ethers **[5, 2006.01]**
101/32 • • Cellulose ether-esters **[5, 2006.01]**

103/00 Coating compositions based on starch, amylose or amylopectin or on their derivatives or degradation products [5, 2006.01]
103/02 • Starch; Degradation products thereof, e.g. dextrin **[5, 2006.01]**
103/04 • Starch derivatives **[5, 2006.01]**
103/06 • • Esters **[5, 2006.01]**
103/08 • • Ethers **[5, 2006.01]**
103/10 • • Oxidised starch **[5, 2006.01]**
103/12 • Amylose; Amylopectin; Degradation products thereof **[5, 2006.01]**
103/14 • Amylose derivatives; Amylopectin derivatives **[5, 2006.01]**
103/16 • • Esters **[5, 2006.01]**
103/18 • • Ethers **[5, 2006.01]**
103/20 • • Oxidised amylose; Oxidised amylopectin **[5, 2006.01]**

105/00 Coating compositions based on polysaccharides or on their derivatives, not provided for in groups C09D 101/00 or C09D 103/00 [5, 2006.01]
105/02 • Dextran; Derivatives thereof **[5, 2006.01]**
105/04 • Alginic acid; Derivatives thereof **[5, 2006.01]**
105/06 • Pectin; Derivatives thereof **[5, 2006.01]**
105/08 • Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof **[5, 2006.01]**
105/10 • Heparin; Derivatives thereof **[5, 2006.01]**
105/12 • Agar-agar; Derivatives thereof **[5, 2006.01]**
105/14 • Hemicellulose; Derivatives thereof **[5, 2006.01]**
105/16 • Cyclodextrin; Derivatives thereof **[5, 2006.01]**

Coating compositions based on rubbers or on their derivatives [5]

107/00 Coating composition based on natural rubber [5, 2006.01]
107/02 • Latex **[5, 2006.01]**

109/00 Coating compositions based on homopolymers or copolymers of conjugated diene hydrocarbons [5, 2006.01]
109/02 • Copolymers with acrylonitrile **[5, 2006.01]**
109/04 • • Latex **[5, 2006.01]**
109/06 • Copolymers with styrene **[5, 2006.01]**
109/08 • • Latex **[5, 2006.01]**
109/10 • Latex (C09D 109/04, C09D 109/08 take precedence) **[5, 2006.01]**

111/00 Coating compositions based on homopolymers or copolymers of chloroprene [5, 2006.01]

111/02 • Latex **[5, 2006.01]**

113/00 Coating compositions based on rubbers containing carboxyl groups [5, 2006.01]

113/02 • Latex **[5, 2006.01]**

115/00 Coating compositions based on rubber derivatives (C09D 111/00, C09D 113/00 take precedence) **[5, 2006.01]**

115/02 • Rubber derivatives containing halogen **[5, 2006.01]**

117/00 Coating compositions based on reclaimed rubber [5, 2006.01]

119/00 Coating compositions based on rubbers, not provided for in groups C09D 107/00-C09D 117/00 [5, 2006.01]

119/02 • Latex **[5, 2006.01]**

121/00 Coating compositions based on unspecified rubbers [5, 2006.01]

121/02 • Latex **[5, 2006.01]**

Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds [5]

Note(s) [2006.01]

1. In groups C09D 123/00-C09D 149/00, "aliphatic radical" means an acyclic or a non-aromatic carbocyclic carbon skeleton which is considered to be terminated by every bond to:
   a. an element other than carbon;
   b. a carbon atom having a double bond to one atom other than carbon;
   c. an aromatic carbocyclic ring or a heterocyclic ring.
2. In groups C09D 123/00-C09D 149/00, in the absence of an indication to the contrary, a copolymer is classified according to the major monomeric component.

123/00 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 [5, 2006.01]

123/02 • not modified by chemical after-treatment **[5, 2006.01]**

123/04 • • Homopolymers or copolymers of ethene **[5, 2006.01]**

123/06 • • • Polyethene **[5, 2006.01]**

123/08 • • • Copolymers of ethene (C09D 123/16 takes precedence) **[5, 2006.01]**

123/10 • • Homopolymers or copolymers of propene **[5, 2006.01]**

123/12 • • • Polypropene **[5, 2006.01]**

123/14 • • • Copolymers of propene (C09D 123/16 takes precedence) **[5, 2006.01]**

123/16 • • Ethene-propene or ethene-propene-diene copolymers **[5, 2006.01]**

123/18 • • Homopolymers or copolymers of hydrocarbons having four or more carbon atoms **[5, 2006.01]**

123/20 • • • having four to nine carbon atoms **[5, 2006.01]**

123/22 • • • • Copolymers of isobutene; Butyl rubber **[5, 2006.01]**

123/24 • • • having ten or more carbon atoms **[5, 2006.01]**

123/26 • modified by chemical after-treatment **[5, 2006.01]**

123/28 • • by reaction with halogens or halogen-containing compounds (C09D 123/32 takes precedence) **[5, 2006.01]**

123/30 • • by oxidation **[5, 2006.01]**

123/32 • • by reaction with phosphorus- or sulfur- containing compounds **[5, 2006.01]**

123/34 • • • by chlorosulfonation **[5, 2006.01]**

123/36 • • by reaction with nitrogen-containing compounds, e.g. by nitration **[5, 2006.01]**

125/00 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 aromatic carbocyclic ring; Coating compositions based on derivatives of such polymers [5, 2006.01]

125/02 • Homopolymers or copolymers of hydrocarbons **[5, 2006.01]**

125/04 • • Homopolymers or copolymers of styrene **[5, 2006.01]**

125/06 • • • Polystyrene **[5, 2006.01]**

125/08 • • • Copolymers of styrene (C09D 129/08, C09D 135/06, C09D 155/02 take precedence) **[5, 2006.01]**

125/10 • • • • with conjugated dienes **[5, 2006.01]**

125/12 • • • • with unsaturated nitriles **[5, 2006.01]**

125/14 • • • • with unsaturated esters **[5, 2006.01]**

125/16 • • Homopolymers or copolymers of alkyl-substituted styrenes **[5, 2006.01]**

125/18 • Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen **[5, 2006.01]**

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 [5, 2006.01]

127/02 • not modified by chemical after-treatment **[5, 2006.01]**

127/04 • • containing chlorine atoms **[5, 2006.01]**

127/06 • • • Homopolymers or copolymers of vinyl chloride **[5, 2006.01]**

127/08 • • • Homopolymers or copolymers of vinylidene chloride **[5, 2006.01]**

127/10 • • containing bromine or iodine atoms **[5, 2006.01]**

127/12 • • containing fluorine atoms **[5, 2006.01]**

127/14 • • • Homopolymers or copolymers of vinyl fluoride **[5, 2006.01]**

127/16 • • • Homopolymers or copolymers of vinylidene fluoride **[5, 2006.01]**

127/18 • • • Homopolymers or copolymers of tetrafluoroethene **[5, 2006.01]**

127/20 • • • Homopolymers or copolymers of hexafluoropropene **[5, 2006.01]**

127/22 • modified by chemical after-treatment **[5, 2006.01]**

127/24 • • halogenated **[5, 2006.01]**

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 an alcohol, ether, aldehydo, ketonic, acetal, or ketal radical; Coating compositions based on hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Coating compositions based on derivatives of such polymers [5, 2006.01]

129/02 • Homopolymers or copolymers of unsaturated alcohols (C09D 129/14 takes precedence) **[5, 2006.01]**

129/04 • • Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids **[5, 2006.01]**

129/06 • • Copolymers of allyl alcohol **[5, 2006.01]**

129/08 • • • with vinyl aromatic monomers **[5, 2006.01]**

129/10 • Homopolymers or copolymers of unsaturated ethers (C09D 135/08 takes precedence) **[5, 2006.01]**

129/12 • Homopolymers or copolymers of unsaturated ketones **[5, 2006.01]**

129/14 • Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols **[5, 2006.01]**

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 haloformic acid (based on hydrolysed polymers C09D 129/00)**; Coating compositions based on derivatives of such polymers [5, 2006.01]**

131/02 • Homopolymers or copolymers of esters of monocarboxylic acids **[5, 2006.01]**

131/04 • • Homopolymers or copolymers of vinyl acetate **[5, 2006.01]**

131/06 • Homopolymers or copolymers of esters of polycarboxylic acids **[5, 2006.01]**

131/08 • • of phthalic acid **[5, 2006.01]**

133/00 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 only one carboxyl radical, or of salts, anhydrides, esters, amides, imides, or nitriles thereof; Coating compositions based on derivatives of such polymers [5, 2006.01]

133/02 • Homopolymers or copolymers of acids; Metal or ammonium salts thereof **[5, 2006.01]**

133/04 • Homopolymers or copolymers of esters **[5, 2006.01]**

133/06 • • of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical **[5, 2006.01]**

133/08 • • • Homopolymers or copolymers of acrylic acid esters **[5, 2006.01]**

133/10 • • • Homopolymers or copolymers of methacrylic acid esters **[5, 2006.01]**

133/12 • • • • Homopolymers or copolymers of methyl methacrylate **[5, 2006.01]**

133/14 • • of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen **[5, 2006.01]**

133/16 • • • Homopolymers or copolymers of esters containing halogen atoms **[5, 2006.01]**

133/18 • Homopolymers or copolymers of nitriles **[5, 2006.01]**

133/20 • • Homopolymers or copolymers of acrylonitrile (C09D 155/02 takes precedence) **[5, 2006.01]**

133/22 • • Homopolymers or copolymers of nitriles containing four or more carbon atoms **[5, 2006.01]**

133/24 • Homopolymers or copolymers of amides or imides **[5, 2006.01]**

133/26 • • Homopolymers or copolymers of acrylamide or methacrylamide **[5, 2006.01]**

135/00 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 carboxyl radical, and containing at least another carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Coating compositions based on derivatives of such polymers [5, 2006.01]

135/02 • Homopolymers or copolymers of esters (C09D 135/06, C09D 135/08 take precedence) **[5, 2006.01]**

135/04 • Homopolymers or copolymers of nitriles (C09D 135/06, C09D 135/08 take precedence) **[5, 2006.01]**

135/06 • Copolymers with vinyl aromatic monomers **[5, 2006.01]**

135/08 • Copolymers with vinyl ethers **[5, 2006.01]**

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 [5, 2006.01]**

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 [5, 2006.01]

139/02 • Homopolymers or copolymers of vinylamine **[5, 2006.01]**

139/04 • Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member **[5, 2006.01]**

139/06 • • Homopolymers or copolymers of N-vinyl-pyrrolidones **[5, 2006.01]**

139/08 • • Homopolymers or copolymers of vinyl-pyridine **[5, 2006.01]**

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 [5, 2006.01]

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 [5, 2006.01]

143/02 • Homopolymers or copolymers of monomers containing phosphorus **[5, 2006.01]**

143/04 • Homopolymers or copolymers of monomers containing silicon **[5, 2006.01]**

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 ring 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) **[5, 2006.01]**

145/02 • Coumarone-indene polymers **[5, 2006.01]**

147/00 Coating compositions based on homolymers 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) **[5, 2006.01]**

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 [5, 2006.01]

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 155/02)**; Coating compositions based on derivatives of such polymers [5, 2006.01]**

151/02 • grafted on to polysaccharides **[5, 2006.01]**

151/04 • grafted on to rubbers **[5, 2006.01]**

151/06 • grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond **[5, 2006.01]**

151/08 • grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds **[5, 2006.01]**

151/10 • grafted on to inorganic materials **[5, 2006.01]**

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 [5, 2006.01]

153/02 • Vinyl aromatic monomers and conjugated dienes **[5, 2006.01]**

155/00 Coating composition 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 [5, 2006.01]

155/02 • ABS [Acrylonitrile-Butadiene-Styrene] polymers **[5, 2006.01]**

155/04 • Polyadducts obtained by the diene synthesis **[5, 2006.01]**

157/00 Coating compositions based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds [5, 2006.01]

157/02 • Copolymers of mineral oil hydrocarbons **[5, 2006.01]**

157/04 • Copolymers in which only the monomer in minority is defined **[5, 2006.01]**

157/06 • Homopolymers or copolymers containing elements other than carbon and hydrogen **[5, 2006.01]**

157/08 • • containing halogen atoms **[5, 2006.01]**

157/10 • • containing oxygen atoms **[5, 2006.01]**

157/12 • • containing nitrogen atoms **[5, 2006.01]**

Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [5]

159/00 Coating compositions based on polyacetals; Coating compositions based on derivatives of polyacetals [5, 2006.01]

159/02 • Polyacetals containing polyoxymethylene sequence only **[5, 2006.01]**

159/04 • Copolyoxymethylenes **[5, 2006.01]**

161/00 Coating compositions based on condensation polymers of aldehydes or ketones (with polyalcohols C09D 159/00; with polynitriles C09D 177/00)**; Coating compositions based on derivatives of such polymers [5, 2006.01]**

161/02 • Condensation polymers of aldehydes or ketones only **[5, 2006.01]**

161/04 • Condensation polymers of aldehydes or ketones with phenols only **[5, 2006.01]**

161/06 • • of aldehydes with phenols **[5, 2006.01]**

161/08 • • • with monohydric phenols **[5, 2006.01]**

161/10 • • • • Phenol-formaldehyde condensates **[5, 2006.01]**

161/12 • • • with polyhydric phenols **[5, 2006.01]**

161/14 • • • Modified phenol-aldehyde condensates **[5, 2006.01]**

161/16 • • of ketones with phenols **[5, 2006.01]**

161/18 • Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only **[5, 2006.01]**

161/20 • Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols C09D 161/04) **[5, 2006.01]**

161/22 • • of aldehydes with acyclic or carbocyclic compounds **[5, 2006.01]**

161/24 • • • with urea or thiourea **[5, 2006.01]**

161/26 • • of aldehydes with heterocyclic compounds **[5, 2006.01]**

161/28 • • • with melamine **[5, 2006.01]**

161/30 • • of aldehydes with heterocyclic and acyclic or carbocyclic compounds **[5, 2006.01]**

161/32 • • Modified amine-aldehyde condensates **[5, 2006.01]**

161/34 • Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups C09D 161/04, C09D 161/18 and C09D 161/20 **[5, 2006.01]**

163/00 Coating compositions based on epoxy resins; Coating compositions based on derivatives of epoxy resins [5, 2006.01]

163/02 • Polyglycidyl ethers of bis-phenols **[5, 2006.01]**

163/04 • Epoxynovolacs **[5, 2006.01]**

163/06 • Triglycidylisocyanurates **[5, 2006.01]**
163/08 • Epoxidised polymerised polyenes **[5, 2006.01]**
163/10 • Epoxy resins modified by unsaturated compounds **[5, 2006.01]**

Note(s) [5]

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

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 [5, 2006.01]**
165/02 • Polyphenylenes **[5, 2006.01]**
165/04 • Polyxylylenes **[5, 2006.01]**

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 [5, 2006.01]**
167/02 • Polyesters derived from dicarboxylic acids and dihydroxy compounds (C09D 167/06 takes precedence) **[5, 2006.01]**
167/03 • • the dicarboxylic acids and dihydroxy compounds having the hydroxy and the carboxyl groups directly linked to aromatic rings **[5, 2006.01]**
167/04 • Polyesters derived from hydroxy carboxylic acids, e.g. lactones (C09D 167/06 takes precedence) **[5, 2006.01]**
167/06 • Unsaturated polyesters having carbon-to-carbon unsaturation **[5, 2006.01]**
167/07 • • having terminal carbon-to-carbon unsaturated bonds **[5, 2006.01]**
167/08 • Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids **[5, 2006.01]**

169/00 Coating compositions based on polycarbonates; Coating compositions based on derivatives of polycarbonates [5, 2006.01]

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 polyethersulfones C09D 181/06)**; Coating compositions based on derivatives of such polymers [5, 2006.01]**
171/02 • Polyalkylene oxides **[5, 2006.01]**
171/03 • • Polyepihalohydrins **[5, 2006.01]**
171/08 • Polyethers derived from hydroxy compounds or from their metallic derivatives (C09D 171/02 takes precedence) **[5, 2006.01]**
171/10 • • from phenols **[5, 2006.01]**
171/12 • • • Polyphenylene oxides **[5, 2006.01]**
171/14 • • Furfuryl alcohol polymers **[5, 2006.01]**

173/00 Coating compositions based on macromolecular compounds obtained by reactions forming a linkage 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 [5, 2006.01]
173/02 • Polyanhydrides **[5, 2006.01]**

175/00 Coating compositions based on polyureas or polyurethanes; Coating compositions based on derivatives of such polymers [5, 2006.01]
175/02 • Polyureas **[5, 2006.01]**
175/04 • Polyurethanes **[5, 2006.01]**
175/06 • • from polyesters **[5, 2006.01]**
175/08 • • from polyethers **[5, 2006.01]**
175/10 • • from polyacetals **[5, 2006.01]**
175/12 • • from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group **[5, 2006.01]**
175/14 • • Polyurethanes having carbon-to-carbon unsaturated bonds **[5, 2006.01]**
175/16 • • • having terminal carbon-to-carbon unsaturated bonds **[5, 2006.01]**

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 [5, 2006.01]**
177/02 • Polyamides derived from omega-amino carboxylic acids or from lactams thereof (C09D 177/10 takes precedence) **[5, 2006.01]**
177/04 • Polyamides derived from alpha-amino carboxylic acids (C09D 177/10 takes precedence) **[5, 2006.01]**
177/06 • Polyamides derived from polyamines and polycarboxylic acids (C09D 177/10 takes precedence) **[5, 2006.01]**
177/08 • • from polyamines and polymerised unsaturated fatty acids **[5, 2006.01]**
177/10 • Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids **[5, 2006.01]**
177/12 • Polyester-amides **[5, 2006.01]**

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 [5, 2006.01]
179/02 • Polyamines **[5, 2006.01]**
179/04 • Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors **[5, 2006.01]**
179/06 • • Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles **[5, 2006.01]**
179/08 • • Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors **[5, 2006.01]**

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 [5, 2006.01]

181/02 • Polythioethers; Polythioether-ethers **[5, 2006.01]**
181/04 • Polysulfides **[5, 2006.01]**
181/06 • Polysulfones; Polyethersulfones **[5, 2006.01]**
181/08 • Polysulfonates **[5, 2006.01]**
181/10 • Polysulfonamides; Polysulfonimides **[5, 2006.01]**

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 [5, 2006.01]
183/02 • Polysilicates **[5, 2006.01]**
183/04 • Polysiloxanes **[5, 2006.01]**
183/05 • • containing silicon bound to hydrogen **[5, 2006.01]**
183/06 • • containing silicon bound to oxygen-containing groups (C09D 183/12 takes precedence) **[5, 2006.01]**
183/07 • • containing silicon bound to unsaturated aliphatic groups **[5, 2006.01]**
183/08 • • containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen **[5, 2006.01]**
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) **[5, 2006.01]**
183/12 • • containing polyether sequences **[5, 2006.01]**
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) **[5, 2006.01]**
183/16 • in which all the silicon atoms are connected by linkages other than oxygen atoms **[5, 2006.01]**

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 [5, 2006.01]
185/02 • containing phosphorus **[5, 2006.01]**
185/04 • containing boron **[5, 2006.01]**

187/00 Coating compositions based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds [5, 2006.01]

Coating compositions based on natural macromolecular compounds or on derivatives thereof [5]

189/00 Coating compositions based on proteins; Coating compositions based on derivatives thereof [5, 2006.01]
189/02 • Casein-aldehyde condensates **[5, 2006.01]**
189/04 • Products derived from waste materials, e.g. horn, hoof or hair **[5, 2006.01]**
189/06 • • derived from leather or skin **[5, 2006.01]**

191/00 Coating compositions based on oils, fats or waxes; Coating compositions based on derivatives thereof (polishing compositions, ski waxes C09G) **[5, 2006.01]**
191/02 • Vulcanised oils, e.g. factice **[5, 2006.01]**
191/04 • Linoxyn **[5, 2006.01]**
191/06 • Waxes **[5, 2006.01]**
191/08 • • Mineral waxes **[5, 2006.01]**

193/00 Coating compositions based on natural resins; Coating compositions based on derivatives thereof (based on polysaccharides C09D 101/00-C09D 105/00; based on natural rubber C09D 107/00; polishing compositions C09G) **[5, 2006.01]**
193/02 • Shellac **[5, 2006.01]**
193/04 • Rosin **[5, 2006.01]**

195/00 Coating compositions based on bituminous materials, e.g. asphalt, tar or pitch [5, 2006.01]

197/00 Coating compositions based on lignin-containing materials (based on polysaccharides C09D 101/00-C09D 105/00) **[5, 2006.01]**
197/02 • Lignocellulosic material, e.g. wood, straw or bagasse **[5, 2006.01]**

199/00 Coating compositions based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09D 101/00-C09D 107/00 or C09D 189/00-C09D 197/00 [5, 2006.01]

201/00 Coating compositions based on unspecified macromolecular compounds [5, 2006.01]
201/02 • characterised by the presence of specified groups **[5, 2006.01]**
201/04 • • containing halogen atoms **[5, 2006.01]**
201/06 • • containing oxygen atoms **[5, 2006.01]**
201/08 • • • Carboxyl groups **[5, 2006.01]**
201/10 • • containing hydrolysable silane groups **[5, 2006.01]**