

**ECLA****EUROPEAN CLASSIFICATION****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, [N: 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) [C1002]**

[N: **WARNING**  
[C1111]

- 1.
2. The following IPC groups are not used in the internal ECLA classification system. Subject matter covered by these groups is classified in the following ECLA groups:

<a href="#">C09D4/02</a>	covered by	<a href="#">C09D4/00</a> , <a href="#">C08F220/00</a>
<a href="#">C09D4/04</a>	covered by	<a href="#">C09D4/00</a> , <a href="#">C08F222/00</a>
<a href="#">C09D5/23</a>	covered by	<a href="#">H01F41/16</a>
<a href="#">C09D5/25</a>	covered by	<a href="#">H01B3/30F</a>
<a href="#">C09D5/33</a>	covered by	<a href="#">C09D5/00C</a>
<a href="#">C09D5/46</a>	covered by	<a href="#">C09D5/03</a>
<a href="#">C09D161/08</a> , <a href="#">C09D161/10</a>	covered by	<a href="#">C09D161/06</a>
<a href="#">C09D163/02</a>	covered by	<a href="#">C09D163/00</a>
<a href="#">C09D171/08</a>	covered by	<a href="#">C09D171/02</a>
<a href="#">C09D171/10</a>	covered by	<a href="#">C09D171/12</a>
<a href="#">C09D183/05</a>	covered by	<a href="#">C09D183/04</a>
<a href="#">C09D183/07</a>	covered by	<a href="#">C09D183/04</a> , <a href="#">C09D183/06</a>

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**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 polyethene and amino-propyltrimethoxysilane is classified in group [C09D123/06](#).

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 [C09D159/00](#) to [C09D187/00](#) are classified according to the unsaturated non-macromolecular component in group [C09D4/00](#).

Example: a coating composition containing polyethene and styrene monomer is classified in group [C09D4/06](#).

Aspects relating to the physical nature of the coating compositions or to the effects produced, as defined in group [C09D5/00](#), if clearly and explicitly stated, are also classified in this subclass.

Coating compositions characterised by other features, e.g. additives, are classified in group [C09D7/00](#), 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 polyethene and 20 parts of polyvinylchloride is classified in group [C09D123/06](#);

A coating composition containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups [C09D123/06](#) and [C09D127/06](#).

**[N: Notes  
[C1204]**

1. Documents classified up until 04.2012: after the notation of group [C09D4/06](#), and separated therefrom by a + sign, notations concerning the macromolecular compound may be added. The notations are selected from the main groups [C08F251/00](#) to [C08F291/00](#) and from the subgroups of [C08F290/00](#) to [C08F290/04D](#) and [C08F290/08](#) to [C08F290/12D](#).  
Example: a paint based on a mixture of methylmethacrylate monomer and a polymer of vinylchloride is classified in [C09D4/06+C08F259/04](#).

2. From April 2012 onwards, after the notation [C09D4/00](#), classification concerning the monomer may be added, in the form of C-sets. The notation is selected from [C08F210/00](#) to [C08F246/00](#), [C08G77/00](#) to [C08G77/04](#) or [C08G77/20](#) to [C08G77/30](#). Ex.: A paint based on a mixture of methylmethacrylate monomer and a polymer of vinylchloride is classified ([C09D4/06](#),[C08F259/04](#)).
3. Documents classified up until 09-2003: Classification is given in the form of C-Sets. The polymer in majority is given a [C09D101/00](#)- [C09D201/10](#) symbol, and the minor components are characterised by Indexing Codes taken from the list below. The Indexing Codes are linked. The polymer in majority is always first in the C-set. List of M08L codes: [M08L23/00](#), [M08L23/26](#), [M08L25/00](#), [M08L27/00](#), [M08L27/04](#), [M08L27/12](#), [M08L29/00](#), [M08L31/00](#), [M08L33/00](#), [M08L35/00](#), [M08L37/00](#), [M08L51/00](#), [M08L53/00](#), [M08L55/02](#), [M08L61/04](#), [M08L61/20](#), [M08L63/00](#), [M08L67/00](#), [M08L67/02](#), [M08L67/02B](#), [M08L67/03](#), [M08L67/04](#), [M08L67/06](#), [M08L67/07](#), [M08L69/00](#), [M08L69/00B](#), [M08L71/00](#), [M08L75/04](#), [M08L77/00](#), [M08L77/08](#), [M08L77/12](#), [M08L79/08](#), [M08L79/08B](#), [M08L81/00](#), [M08L83/00](#), [M08L85/00](#), [M08L91/06](#), [M08L95/00](#) or [M08L666/00](#)-[M08L666/86](#). Documents from group [C09D123/00](#)-[C09D123/36](#), [C09D145/00](#)-[C09D145/02](#) and [C09D149/00](#) have all been reclassified following Note 3 below. An additive is classified in the last appropriate place in the list as selected for each C09D group.

Examples:

- a. A coating composition based on a polyamide and a graft polymer is classified in ([C09D177/00](#), [M08L666/24](#)).
- b. A coating composition based on polyvinylchloride and containing CaCO<sub>3</sub> is classified according to note 4 of C08K, i.e. in [C08K3/26](#) and [C09D127/06](#). If this coating composition contains also a polyamide, then the classification will be ([C09D127/06](#), [M08L77/00](#), [M08K3/26](#)).
- c. A coating composition based on a polysiloxane ([C09D183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09D183/04](#), [M08L83/04](#), [M08L666/34](#), [M08L666/54](#)).
4. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a C09D symbol, and the minor components are characterised by Indexing Codes taken from M08L or M08K and they are linked or unlinked. The polymer in majority is always first in the C-set. List of indexing codes in the C-Sets: [M08L1/00](#), [M08L81/00](#), [M08L83/00](#), [M08L91/06](#), [M08L95/00](#) or [M08L666/02](#)-[M08L666/08](#), [M08L666/14](#)-[M08L666/26](#). Examples:

a. A coating of 60 parts polyvinylchloride ([C09D127/06](#)) and 40 parts polyamide is classified in ([C09D127/06](#), [M08L666/20](#)), [M08L77/00](#).

b. A coating of 50 parts polyvinylchloride ([C09D127/06](#)) and 50 parts polyamide ([C09D177/00](#)) is classified in ([C09D127/06](#), [M08L666/20](#)), and [M08L77/00](#), as well as ([C09D177/00](#), [M08L666/04](#)) and [M08L27/06](#) .

c. A coating composition based on polyvinylchloride and containing CaCO<sub>3</sub> is classified according to [N: Note 4 of C08K, i.e. in [C08K3/26](#), [C09D127/06](#). If this composition contains also a polyamide, then the classification will be ([C09D127/06](#), [M08L666/20](#)) and [M08K3/26](#).

d. A composition based on a first polysiloxane ([C09D183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09D183/04](#), [M08L83/00](#), [M08K5/13](#), [M08K3/36](#)) and

[M08L205/02](#).

5. From April 2012 onwards, after the notation of groups [C09D101/00](#) to [C09D201/00](#), notations concerning the other constituents of the coating composition may be added, in the form of C-Sets. The further constituent is added with an indexing code. The indexing codes are chosen from [M08L1/00-555/86](#) or M08K and they may be linked or unlinked: - [M08L1/00-M08L101/10](#) are linked. - [M08L201/00-M08L555/86](#) are unlinked. The polymer in majority is always first in the C-set. Examples:

a. A coating composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09D123/06](#) and [M08K5/544](#) (unlinked).

b. A coating composition containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in ([C09D123/06](#), [M08L27/06](#)).

c. A coating composition containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in ([C09D123/06](#), [M08L27/06](#)) and ([C09D127/06](#), [M08L23/06](#)).

d. A coating composition containing 90% of polysiloxane ([C09D183/04](#)) further containing 10% of polyester ([M08L67/00](#)) and an alcohol is classified in ([C09D183/04](#), [M08L67/00](#), [M08K5/05](#)).

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#### **C09D1/00**

**Coating compositions, e.g. paints, varnishes or lacquers, based on inorganic substances ([C04B](#) takes precedence; glazes or vitreous enamels [C03C](#))**

[C09D1/02](#)

- . alkali metal silicates

[C09D1/04](#)

- . . with organic additives

[C09D1/06](#)

- . cement

[C09D1/08](#)

- . . with organic additives

[C09D1/10](#)

- . lime

[C09D1/12](#)

- . . with organic additives

#### **C09D4/00**

**Coating compositions, e.g. paints, varnishes or lacquers, based on organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond; [N: Coating compositions, based on monomers of macromolecular compounds of groups [C09D183/00](#) to [C09D183/16](#)]**

[C09D4/06](#)

- . [N: Organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond] in combination with a macromolecular compound other than an unsaturated polymer of groups [C09D159/00](#) to [C09D187/00](#)

#### **C09D5/00**

**Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes [N: (magnetisable or magnetic paints [H01F1/00](#); electrically insulating paints [H01B3/00](#); paints for electrophoretic applications [C25D13/00](#))]**

- C09D5/00B . [N: Priming paints ([C09D5/08](#) takes precedence)]
- C09D5/00C . [N: Reflecting paints; Signal paints]
- C09D5/00D . [N: Anti-reflective coatings] [N1110]
- C09D5/00F . [N: Temporary coatings ([C09D5/20](#) takes precedence)]
- C09D5/02 . Emulsion paints [N: including aerosols]
- C09D5/02A . . [N: Aerosols ([aerosol compositions C09K3/30](#))]
- C09D5/02E . . [N: Emulsions, e.g. oil in water]
- C09D5/02K . . [N: characterised by the additives]
- C09D5/02K2 . . . [N: Preservatives, e.g. antimicrobial agents]
- C09D5/02K4 . . . [N: Dispersing agents ([anti-settling agents C09D7/02](#))]
- C09D5/02K8 . . . [N: Pigments; Filters]
- C09D5/03 . Powdery paints
- C09D5/03B . . [N: characterised by particle size or shape] [N0005]
- C09D5/03D . . [N: characterised by a special effect of the produced film, e.g. wrinkle, pearlescence, matt finish] [N0005]
- C09D5/03F . . [N: characterised by the additives] [N0005]
- C09D5/03F2 . . . [N: Charge control agents ([for toners G03G9/097](#))] [N0005]
- C09D5/03F4 . . . [N: Coloring agents, e.g. pigments ([C09D5/03D](#) takes precedence)] [N0005]
- C09D5/03F6 . . . [N: Stabilisers ([organic stabilisers for paints C09D7/12D4A](#))] [N0005]
- C09D5/03F8 . . . [N: Rheology improving agents, e.g. flow control agents] [N0005]
- C09D5/03F10 . . . [N: Anticorrosion agents] [N0005]
- C09D5/04 . Thixotropic paints
- C09D5/06 . Artists' paints
- C09D5/08 . Anti-corrosive paints
- C09D5/08B . . [N: characterised by the anti-corrosive pigment]
- C09D5/08B2 . . . [N: Inorganic compounds] [N9805]
- C09D5/08B4 . . . [N: Organic or non-macromolecular compounds] [N9805]
- C09D5/08D . . [N: Autophoretic paints]
- C09D5/10 . . containing metal dust
- C09D5/10B . . . [N: containing Al]
- C09D5/10D . . . [N: containing Zn]
- C09D5/12 . . Wash primers
- C09D5/14 . Paints containing biocides, e.g. fungicides, insecticides or pesticides ([C09D5/16](#) takes precedence) [C1002]
- C09D5/16 . Antifouling paints; Under-water paints [N9512]
- C09D5/16C . . [N: characterised by the anti-fouling agent] [N9512]

- C09D5/16C3 . . . [N: Non-macromolecular compounds] [N9512]
- C09D5/16C3E . . . . [N: inorganic] [N9512]
- C09D5/16C3K . . . . [N: organic] [N9512]
- C09D5/16C3K5 . . . . . [N: Organotin compounds] [N9512]
- C09D5/16C7 . . . [N: Macromolecular compounds] [N9512]
- C09D5/16C7E . . . . [N: containing tin] [N9512]
- C09D5/16C7K . . . . [N: containing hydrolysable groups ([C09D5/16C7E](#) takes precedence)] [N9512]
- C09D5/16H . . [N: characterised by the film-forming substance ([C09D5/16C7](#) takes precedence)] [N9512]
- C09D5/16H3 . . . [N: Synthetic film-forming substance] [N9512]
- C09D5/16H3E . . . . [N: Vinyl-type polymers] [N9512]
- C09D5/16H3K . . . . [N: Polyorganosiloxane-containing compositions] [N9512]
- C09D5/16L . . [N: Antifouling coatings characterised by surface structure, e.g. for roughness effect giving superhydrophobic coatings or Lotus effect] [N1110]
- C09D5/16N . . [N: Use of special additives] [N9512]
- C09D5/16R . . [N: as part of a multilayer system] [N9512]
  
- C09D5/18 . Fireproof paints [N: including high temperature resistant paints]
- C09D5/18B . . [N: Intumescent paints]
  
- C09D5/20 . for coatings strippable as coherent films, e.g. temporary coatings strippable as coherent films [[C1002](#)]
  
- C09D5/22 . Luminous paints [N: luminescent compositions [C09K11/00](#)]
- C09D5/23 . Magnetisable or magnetic paints or lacquers [N1110]
- C09D5/24 . Electrically-conducting paints [N: conductive materials [H01B1/00](#)]
- C09D5/26 . Thermosensitive paints
- C09D5/28 . for wrinkle, crackle, orange-peel, or similar decorative effects
- C09D5/29 . for multicolour effects
- C09D5/30 . Camouflage paints
- C09D5/32 . Radiation-absorbing paints [N: (protection against X-, gamma- or corpuscular radiation [G21F](#))]
- C09D5/34 . Filling pastes (materials for sealing or packing joints or covers [C09K3/10](#); materials for stopping leaks [C09K3/12](#))
- C09D5/36 . Pearl essence, e.g. coatings containing platelet-like pigments for pearl lustre [[C1002](#)]
- C09D5/38 . Paints containing free metal not provided for above in groups C09D 5/00-C09D 5/36 [[C1002](#)]
- C09D5/44 . for electrophoretic applications (processes for coating by electrophoresis [C25D13/00](#))

**[N: Note**

The groups [C09D5/44B](#) to [C09D5/44F](#) relating to paints based on a specified film-forming polymer or mixture of polymers take precedence over the groups [C09D5/44H](#) to [C09D5/44K4](#) relating to paints characterised by other features ]

- C09D5/44B . . [N: with rubbers]
- C09D5/44C . . [N: with polymers obtained by polymerisation reactions involving only carbon-to-carbon unsaturated bonds]
- C09D5/44C2 . . . [N: Homopolymers or copolymers of acrylates or methacrylates]
- C09D5/44C4 . . . [N: Copolymers wherein one of the monomers is based on an epoxy resin]
- C09D5/44D . . [N: with polymers obtained otherwise than by polymerisation reactions only involving carbon-to-carbon unsaturated bonds]
- C09D5/44D2 . . . [N: Polyesters, esterified polyepoxides]
- C09D5/44D2B . . . . [N: Esterified polyepoxides]
- C09D5/44D4 . . . [N: Polyepoxides]
- C09D5/44D4B . . . . [N: characterised by the nature of the epoxy binder]
- C09D5/44D4B2 . . . . . [N: Binder based on epoxy/amine adducts, i.e. reaction products of polyepoxides with compounds containing amino groups only]
- C09D5/44D4B4 . . . . . [N: Binder characterised by functional groups]
- C09D5/44D4B4B . . . . . [N: Aliphatic groups, e.g. ester]
- C09D5/44D4B4D . . . . . [N: Heterocyclic groups, e.g. oxazolidine]
- C09D5/44D4C . . . . [N: characterised by the nature of the curing agent]
- C09D5/44D4K . . . . [N: containing special additives, e.g. pigments, polymeric particles]
- C09D5/44D6 . . . [N: Polyamides; Polyimides]
- C09D5/44D8 . . . [N: Polyurethanes]
- C09D5/44D10 . . . [N: Phenoplasts; Aminoplasts]
- C09D5/44E . . [N: Mixture of polymers]
- C09D5/44F . . [N: comprising polymerisation in situ]
- C09D5/44H . . [N: characterised by the additives used ([C09D5/44B](#) to [C09D5/44F](#), [C09D5/44K2](#) take precedence)] [C9505]
- C09D5/44J . . [N: Anodic paints ([C09D5/44B](#) to [C09D5/44F](#) take precedence)] [C9505]
- C09D5/44K . . [N: Cathodic paints ([C09D5/44B](#) to [C09D5/44F](#) take precedence)] [C9505]
- C09D5/44K2 . . . [N: containing special additives, e.g. grinding agents]
- C09D5/44K4 . . . [N: characterised by the nature of the curing agents]

**C09D7/00**

**Features of coating compositions, not provided for in group C09D 5/00 (driers [C09F9/00](#)) [C1002]**

- C09D7/00B . [N: Diluents or solvents for paints]
- C09D7/00D . [N: Use of compounds as thickening agents]
- C09D7/00D2 . . [N: Two or more thickening agents] [N1108]
- C09D7/00E . [N: Use of compounds as gloss-reducing agents]

- C09D7/00P . [N: Use of organic pigments or dyes (inorganic pigments [C09D7/12D2](#))]
- C09D7/00S . [N: Paint detackifiers or coagulants, e.g. for the treatment of oversprays in paint spraying installations (chemical paint removers [C09D9/00](#))]
- C09D7/02 . Use of compounds as anti-settling agents
- C09D7/04 . Use of compounds as anti-skinning agents
- C09D7/06 . Use of compounds as levelling agents
- C09D7/12 . Other additives
- C09D7/12D . . [N: non-macromolecular]
- C09D7/12D2 . . . [N: inorganic ([C09D7/12S](#) takes precedence)]
- C09D7/12D2B . . . . [N: modified by treatment with other compounds]
- C09D7/12D4 . . . . [N: organic]
- C09D7/12D4A . . . . [N: Stabilisers against degradation by oxygen, light or heat]
- C09D7/12M . . [N: macromolecular ([C09D7/12S](#) takes precedence)]
- C09D7/12N . . [N: characterised by particle size (not used)] [N1108]
- C09D7/12N1 . . . [N: characterised by a particle size lower than 100 nm] [N1108]
- C09D7/12N2 . . . [N: characterised by a particle size of 100-1000 nm] [N1108]
- C09D7/12N3 . . . [N: characterised by a particle size higher than 1000 nm] [N1108]
- C09D7/12S . . [N: characterised by shape, e.g. fibres, flakes, microspheres]
- C09D7/14 . Special processes for incorporating ingredients
- C09D9/00** **Chemical paint or ink removers** (fluid media for correction of typographical errors by coating [C09D10/00](#))
- C09D9/00B . [N: containing organic solvents]
- C09D9/02 . with abrasives
- C09D9/04 . with surface-active agents
- C09D10/00** **Correcting fluids, e.g. fluid media for correction of typographical errors by coating** [N: (correcting errors by overprinting [B41J29/36](#))]
- C09D11/00** **Inks** [C1204]  
 [N: **Notes** [N1204]  
 Groups [C09D11/02](#) to [C09D11/54](#) do not correspond to former or future IPC.  
 Concordance ECLA : IPC for these groups is as follows: - [C09D11/023-C09D11/49](#) :  
[C09D11/02](#) - [C09D11/50](#)- [C09D11/54](#) : [C09D11/00](#)  
 ]
- C09D11/00L . [N: 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] [N1112]

- C09D11/02 . Printing inks ([C09D11/30](#), [C09D11/52](#) take precedence) [C1204]
- C09D11/023 . . Emulsion inks [N1204]
- C09D11/0235 . . . Duplicating inks, e.g. for stencil printing (stencil printing per se [B41M1/12](#)) [N1204]
- C09D11/03 . . characterised by features other than the chemical nature of the binder [N1204]
- C09D11/033 . . . characterised by the solvent [N1204]
- C09D11/037 . . . characterised by the pigment [N1204]
- C09D11/04 . . based on proteins
- C09D11/06 . . based on fatty oils
- C09D11/08 . . based on natural resins
- C09D11/10 . . based on artificial resins
- C09D11/101 . . . Inks specially adapted for printing processes involving curing by wave energy or particle radiation, e.g. with UV-curing following the printing [N1112] [M1204]
- C09D11/102 . . . containing macromolecular compounds obtained by reactions other than those only involving unsaturated carbon-to-carbon bonds ([C09D11/101](#) takes precedence) [N1112] [M1204]
- C09D11/103 . . . . of aldehydes, e.g. phenol-formaldehyde resins [N1112]
- C09D11/104 . . . . Polyesters [N1112]
- C09D11/105 . . . . . Alkyd resins [N1112]
- C09D11/106 . . . containing macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds ([C09D11/101](#) takes precedence) [N1112]
- C09D11/107 . . . . from unsaturated acids or derivatives thereof [N1112]
- C09D11/108 . . . . Hydrocarbon resins [N1112]
- C09D11/12 . . based on waxes or bitumen
- C09D11/14 . . based on carbohydrates
- C09D11/16 . Writing inks
- C09D11/17 . . containing specific colouring agents [N1204]
- C09D11/18 . . specially adapted for ball-point writing instruments [M1204]
- C09D11/20 . . Indelible [M1204]
- C09D11/30 . Jet-printing inks [N1204]
- C09D11/32 . . characterised by colouring agents [N1204]
- C09D11/322 . . . Pigment inks [N1204]
- C09D11/324 . . . containing carbon black [N1204]
- C09D11/326 . . . characterised by the pigment dispersant ([C09D11/324](#) takes precedence) [N1204]
- C09D11/328 . . . characterised by dyes [N1204]
- C09D11/34 . . Hot-melt inks [N1204]
- C09D11/36 . . based on non-aqueous solvents [N1204]
- C09D11/38 . . characterised by non-macromolecular additives other than solvents, pigments or dyes ([C09D11/36](#) takes precedence) [N1204]
- C09D11/40 . . Ink-sets specially adapted for multi-colour ink-jet printing (devices for multi-colour ink-jet printing [B41J2/21](#)) [N1204]
- C09D11/50 . Sympathetic, colour changing or similar inks [N1204]

- C09D11/52 . Electrically conductive inks ([C09D11/30](#) takes precedence) [N1204]
- C09D11/54 . 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 [N1204]
- C09D13/00 Pencil-leads; Crayon compositions; Chalk compositions**
- C09D15/00 Woodstains**
- C09D17/00 Pigment pastes, e.g. for mixing in paints (artists` paints [C09D5/06](#))**
- C09D17/00D . [N: in aqueous medium ([C09D17/00H](#), [C09D17/00J](#) take precedence)]
- C09D17/00F . [N: in organic medium ([C09D17/00H](#), [C09D17/00J](#) take precedence)]
- C09D17/00H . [N: containing an organic pigment (process features in the making of dye stuff preparations [C09B67/00](#))]
- C09D17/00J . [N: containing an inorganic pigment]
- C09D17/00J2 . . [N: Carbon black]
- C09D17/00J4 . . [N: Metal]
- C09D17/00J6 . . [N: Metal oxide]
- C09D17/00J6B . . . [N: Titanium dioxide]
- Guide heading: Coating compositions based on polysaccharides or on their derivatives**
- C09D101/00 Coating compositions based on cellulose, modified cellulose, or cellulose derivatives**
- C09D101/02 . Cellulose; Modified cellulose
- C09D101/04 . . Oxycellulose; Hydrocellulose
- C09D101/06 . . Cellulose hydrate
- C09D101/08 . Cellulose derivatives
- C09D101/10 . . Esters of organic acids (of both organic acids and inorganic acids [C09D101/20](#)) [C1002]
- C09D101/12 . . . Cellulose acetate
- C09D101/14 . . . Mixed esters, e.g. cellulose acetate-butyrate
- C09D101/16 . . Esters of inorganic acids (of both organic acids and inorganic acids [C09D101/20](#)) [C1002]
- C09D101/18 . . . Cellulose nitrate
- C09D101/20 . . Esters of both organic acids and inorganic acids
- C09D101/22 . . Cellulose xanthate
- C09D101/24 . . . Viscose

- C09D101/26 . . Cellulose ethers
- C09D101/28 . . . Alkyl ethers
- C09D101/28B . . . . [N: with halogen-substituted hydrocarbon radicals]
- C09D101/28D . . . . [N: with hydroxylated hydrocarbon radicals]
- C09D101/28F . . . . [N: substituted with acid radicals ([C09D101/28B](#) takes precedence)]
- C09D101/28H . . . . [N: substituted with nitrogen containing radicals]
- C09D101/30 . . . Aryl ethers; Aralkyl ethers
- C09D101/32 . . Cellulose ether-esters

**C09D103/00**      **Coating compositions based on starch, amylose or amylopectin or on their derivatives or degradation products**

- C09D103/02 . Starch; Degradation products thereof, e.g. dextrin
- C09D103/04 . Starch derivatives
- C09D103/06 . . Esters
- C09D103/08 . . Ethers
- C09D103/10 . . Oxidised starch
- C09D103/12 . Amylose; Amylopectin; Degradation products thereof
- C09D103/14 . Amylose derivatives; Amylopectin derivatives
- C09D103/16 . . Esters
- C09D103/18 . . Ethers
- C09D103/20 . . Oxidised amylose; Oxidised amylopectin

**C09D105/00**      **Coating compositions based on polysaccharides or on their derivatives, not provided for in groups [C09D101/00](#) or [C09D103/00](#)**

- C09D105/02 . Dextran; Derivatives thereof
- C09D105/04 . Alginic acid; Derivatives thereof
- C09D105/06 . Pectin; Derivatives thereof
- C09D105/08 . Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
- C09D105/10 . Heparin; Derivatives thereof
- C09D105/12 . Agar-agar; Derivatives thereof
- C09D105/14 . Hemicellulose; Derivatives thereof
- C09D105/16 . Cyclodextrin; Derivatives thereof

**Guide heading:**      **Coating compositions based on rubbers or on their derivatives**

**C09D107/00**      **Coating compositions based on natural rubber**

- C09D107/02
  - . Latex
- C09D109/00**      **Coating compositions based on homopolymers or copolymers of conjugated diene hydrocarbons**
- C09D109/02
  - . Copolymers with acrylonitrile
- C09D109/04
  - . . Latex
- C09D109/06
  - . Copolymers with styrene
- C09D109/08
  - . . Latex
- C09D109/10
  - . Latex ([C09D109/04](#), [C09D109/08](#) take precedence)
- C09D111/00**      **Coating compositions based on homopolymers or copolymers of chloroprene**
- C09D111/02
  - . Latex
- C09D113/00**      **Coating compositions based on rubbers containing carboxyl groups**
- C09D113/02
  - . Latex
- C09D115/00**      **Coating compositions based on rubber derivatives ([C09D111/00](#), [C09D113/00](#) take precedence)**
- C09D115/00B
  - . [N: Hydrogenated nitrile rubber]
- C09D115/02
  - . Rubber derivatives containing halogen
- C09D117/00**      **Coating compositions based on reclaimed rubber**
- C09D119/00**      **Coating compositions based on rubbers, not provided for in groups [C09D107/00](#) to [C09D117/00](#)**
- C09D119/00B
  - . [N: Precrosslinked rubber; Scrap rubber; Used vulcanised rubber]
- C09D119/00D
  - . [N: Rubber characterised by functional groups, e.g. telechelic diene polymers]
- C09D119/02
  - . Latex
- C09D121/00**      **Coating compositions based on unspecified rubbers**
- C09D121/02
  - . Latex
- Guide heading:**      **Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds**

**C09D123/00****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**

- C09D123/02 . . not modified by chemical after-treatment
- C09D123/02D . . . [N: Copolymer of an unspecified olefine with a monomer other than an olefine]
- C09D123/04 . . Homopolymers or copolymers of ethene
- C09D123/06 . . . Polyethene
- C09D123/08 . . . Copolymers of ethene ([C09D123/16](#) takes precedence)
- C09D123/08A . . . . [N: Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms] [N0310]
- C09D123/08A1 . . . . . [N: Copolymers of ethene with aliphatic 1-olefins] [N0310]
- C09D123/08A1A . . . . . [N: Copolymers of ethene with aliphatic cyclic olefins] [N0310]
- C09D123/08A3 . . . . . [N: Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond] [N0310]
- C09D123/08A5 . . . . . [N: Copolymers of ethene with aromatic monomers] [N0310]
- C09D123/08C . . . . . [N: Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms] [N0310]
- C09D123/08C1 . . . . . [N: Vinylacetate] [N0310]
- C09D123/08C1A . . . . . [N: Saponified vinylacetate] [N0310]
- C09D123/08C3 . . . . . [N: Acids or derivatives thereof] [N0310]
- C09D123/08C3A . . . . . [N: Neutralised polymers, i.e. ionomers] [N0310]
- C09D123/08C3C . . . . . [N: Epoxide containing esters] [N0310]
- C09D123/08C5 . . . . . [N: containing monomers with other atoms than carbon, hydrogen or oxygen atoms] [N0310]
- C09D123/10 . . Homopolymers or copolymers of propene
- C09D123/12 . . . Polypropene
- C09D123/14 . . . Copolymers of propene ([C09D123/16](#) takes precedence)
- C09D123/14A . . . . [N: at least partially crystalline copolymers of propene with other olefins] [N0310]
- C09D123/14B . . . . [N: Copolymers of propene with monomers having more than one C=C double bond] [N0310]
- C09D123/14C . . . . [N: Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms] [N0310]
- C09D123/16 . . [N: Elastomeric] ethene-propene or ethene-propene-diene copolymers, [N: e.g. EPR and EPDM rubbers] [C0310]
- [N: **Note**  
[N0310]This group is used for polymers comprising both ethylene and propylene  
]
- C09D123/18 . . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
- C09D123/20 . . . having four to nine carbon atoms
- C09D123/22 . . . . Copolymers of isobutene; Butyl rubber [N: Homo- or copolymers of other iso-olefines]
- C09D123/24 . . . having ten or more carbon atoms
- C09D123/26 . modified by chemical after-treatment

- C09D123/28 . . by reaction with halogens or compounds containing halogen ([C09D123/32](#) takes precedence)
- C09D123/28B . . . [N: Halogenated homo- or copolymers of iso-olefines]
- C09D123/28D . . . [N: Chlorinated polyethylene]
- C09D123/30 . . by oxidation
- C09D123/32 . . by reaction with compounds containing phosphorus or sulfur
- C09D123/34 . . . by chlorosulfonation
- C09D123/36 . . by reaction with compounds containing nitrogen, e.g. by nitration

**C09D125/00**      **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**

- C09D125/02 . Homopolymers or copolymers of hydrocarbons
- C09D125/04 . . Homopolymers or copolymers of styrene
- C09D125/06 . . . Polystyrene
- C09D125/08 . . . Copolymers of styrene ([C09D129/08](#), [C09D135/06](#), [C09D155/02](#) take precedence)
- C09D125/10 . . . . with conjugated dienes
- C09D125/12 . . . . with unsaturated nitriles
- C09D125/14 . . . . with unsaturated esters
- C09D125/16 . . Homopolymers or copolymers of alkyl-substituted styrenes
- C09D125/18 . Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen

**C09D127/00**      **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**

- C09D127/02 . not modified by chemical after-treatment
- C09D127/04 . . containing chlorine atoms
- C09D127/06 . . . Homopolymers or copolymers of vinyl chloride
- C09D127/08 . . . Homopolymers or copolymers of vinylidene chloride
- C09D127/10 . . containing bromine or iodine atoms
- C09D127/12 . . containing fluorine atoms
- C09D127/14 . . . Homopolymers or copolymers of vinyl fluoride
- C09D127/16 . . . Homopolymers or copolymers of vinylidene fluoride
- C09D127/18 . . . Homopolymers or copolymers of tetrafluoroethene
- C09D127/20 . . . Homopolymers or copolymers of hexafluoropropene
- C09D127/22 . modified by chemical after-treatment
- C09D127/24 . . halogenated

**C09D129/00**      **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, aldehyde, 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**

- C09D129/02 . Homopolymers or copolymers of unsaturated alcohols ([C09D129/14](#) takes precedence)
- C09D129/04 . . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids
- C09D129/06 . . Copolymers of allyl alcohol
- C09D129/08 . . . with vinyl aromatic monomers
- C09D129/10 . Homopolymers or copolymers of unsaturated ethers ([C09D135/08](#) takes precedence)
- C09D129/12 . Homopolymers or copolymers of unsaturated ketones
- C09D129/14 . Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols

**C09D131/00** **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 [C09D129/00](#)); Coating compositions based on derivatives of such polymers**

- C09D131/02 . Homopolymers or copolymers of esters of monocarboxylic acids
- C09D131/04 . . Homopolymers or copolymers of vinyl acetate
- C09D131/06 . Homopolymers or copolymers of esters of polycarboxylic acids
- C09D131/08 . . of phthalic acid

**C09D133/00** **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**

- C09D133/02 . Homopolymers or copolymers of acids; Metal or ammonium salts thereof
- C09D133/04 . Homopolymers or copolymers of esters [N: [C09D143/04](#) takes precedence]
- C09D133/06 . . of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical [C1002]
- C09D133/06B . . . [N: Copolymers with monomers not covered by [C09D133/06](#)]
- C09D133/06B2 . . . . [N: containing anhydride, COOH or COOM groups, with M being metal or onium-cation]
- C09D133/06B4 . . . . [N: containing -OH groups]
- C09D133/06B6 . . . . [N: containing glycidyl groups]

- C09D133/08 . . . Homopolymers or copolymers of acrylic acid esters
- C09D133/10 . . . Homopolymers or copolymers of methacrylic acid esters
- C09D133/12 . . . Homopolymers or copolymers of methyl methacrylate
- C09D133/14 . . of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen [C1002]
- C09D133/16 . . . Homopolymers or copolymers of esters containing halogen atoms
- C09D133/18 . Homopolymers or copolymers of nitriles
- C09D133/20 . . Homopolymers or copolymers of acrylonitrile (C09D155/02 takes precedence)
- C09D133/22 . . Homopolymers or copolymers of nitriles containing four or more carbon atoms
- C09D133/24 . Homopolymers or copolymers of amides or imides
- C09D133/26 . . Homopolymers or copolymers of acrylamide or methacrylamide
- C09D135/00** **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**
- C09D135/02 . Homopolymers or copolymers of esters (C09D135/06, C09D135/08 take precedence)
- C09D135/04 . Homopolymers or copolymers of nitriles (C09D135/06, C09D135/08 take precedence)
- C09D135/06 . Copolymers with vinyl aromatic monomers
- C09D135/08 . Copolymers with vinyl ethers
- C09D137/00** **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 C09D131/00; based on polymers of cyclic anhydrides of unsaturated acids C09D135/00); Coating compositions based on derivatives of such polymers**
- C09D139/00** **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**
- C09D139/02 . Homopolymers or copolymers of vinylamine
- C09D139/04 . Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
- C09D139/06 . . Homopolymers or copolymers of N-vinyl-pyrrolidones
- C09D139/08 . . Homopolymers or copolymers of vinyl-pyridine
- C09D141/00** **Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one**

on-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

- C09D143/00** 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 [C1002]
- C09D143/02 . Homopolymers or copolymers of monomers containing phosphorus
- C09D143/04 . Homopolymers or copolymers of monomers containing silicon
- C09D145/00** 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 [C09D131/00](#); based on polymers of cyclic anhydrides or imides [C09D135/00](#))
- C09D145/02 . Coumarone-indene polymers
- C09D147/00** 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 ([C09D145/00](#) takes precedence; based on conjugated diene rubbers [C09D109/00](#) to [C09D121/00](#))
- C09D149/00** 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
- C09D151/00** 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 [C09D155/02](#)); Coating compositions based on derivatives of such polymers
- C09D151/00B . [N: grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds ([C09D151/04](#), [C09D151/06](#) take precedence)]
- C09D151/00C . [N: grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds] [N9409]
- C09D151/02 . grafted on to polysaccharides
- C09D151/04 . grafted on to rubbers
- C09D151/06 . grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond

- C09D151/08 . grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
- C09D151/08S . . [N: on to polysiloxanes]
- C09D151/10 . grafted on to inorganic materials
- C09D153/00** **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**
- C09D153/00B . [N: Modified block copolymers] [N9409]
- C09D153/02 . Vinyl aromatic monomers and conjugated dienes
- C09D153/02B . . [N: modified] [N9409]
- C09D155/00** **Coating compositions based on homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups [C09D123/00](#) to [C09D153/00](#)**
- C09D155/00B . [N: Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond]
- C09D155/02 . ABS [Acrylonitrile-Butadiene-Styrene] polymers [C1002]
- C09D155/04 . Polyadducts obtained by the diene synthesis
- C09D157/00** **Coating compositions based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds**
- C09D157/02 . Copolymers of mineral oil hydrocarbons
- C09D157/04 . Copolymers in which only the monomer in minority is defined
- C09D157/06 . Homopolymers or copolymers containing elements other than carbon and hydrogen
- C09D157/08 . . containing halogen atoms
- C09D157/10 . . containing oxygen atoms
- C09D157/12 . . containing nitrogen atoms
- Guide heading:** **Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds**
- C09D159/00** **Coating compositions based on polyacetals; Coating compositions based on derivatives of polyacetals**
- C09D159/02 . Polyacetals containing polyoxymethylene sequence only
- C09D159/04 . Copolyoxymethylenes

**C09D161/00**      **Coating compositions based on condensation polymers of aldehydes or ketones (with polyalcohols [C09D159/00](#); with polynitriles [C09D177/00](#)); Coating compositions based on derivatives of such polymers**

- C09D161/02      .    Condensation polymers of aldehydes or ketones only
- C09D161/04      .    Condensation polymers of aldehydes or ketones with phenols only
- C09D161/06      .    .    of aldehydes with phenols
- C09D161/12      .    .    .    with polyhydric phenols
- C09D161/14      .    .    .    Modified phenol-aldehyde condensates
- C09D161/16      .    .    of ketones with phenols
- C09D161/18      .    Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only
- C09D161/20      .    Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols [C09D161/04](#))
- C09D161/22      .    .    of aldehydes with acyclic or carbocyclic compounds
- C09D161/24      .    .    .    with urea or thiourea
- C09D161/26      .    .    of aldehydes with heterocyclic compounds
- C09D161/28      .    .    .    with melamine
- C09D161/30      .    .    of aldehydes with heterocyclic and acyclic or carbocyclic compounds
- C09D161/32      .    .    Modified amine-aldehyde condensates
- C09D161/34      .    Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups [C09D161/04](#), [C09D161/18](#) and [C09D161/20](#)

**C09D163/00**      **Coating compositions based on epoxy resins; Coating compositions based on derivatives of epoxy resins**

- C09D163/04      .    Epoxynovolacs
- C09D163/06      .    Triglycidylisocyanurates
- C09D163/08      .    Epoxidised polymerised polyenes
- C09D163/10      .    Epoxy resins modified by unsaturated compounds

**Note**

In groups [C09D165/00](#) to [C09D185/00](#), 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.

**C09D165/00**      **Coating compositions based on macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain ([C09D107/00](#) to [C09D157/00](#), [C09D161/00](#) take precedence); Coating compositions based on derivatives of such polymers**

- C09D165/02 . Polyphenylenes
- C09D165/04 . Polyxylylenes
- C09D167/00** **Coating compositions based on polyesters obtained by reactions forming a carboxylic ester link in the main chain (based on polyester-amides [C09D177/12](#); based on polyester-imides [C09D179/08](#)); Coating compositions based on derivatives of such polymers**
- C09D167/02 . Polyesters derived from dicarboxylic acids and dihydroxy compounds ([C09D167/06](#) takes precedence)
- C09D167/02B . . [N: containing polyether sequences]
- C09D167/03 . . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings
- C09D167/04 . Polyesters derived from hydroxycarboxylic acids, e.g. lactones ([C09D167/06](#) takes precedence)
- C09D167/06 . Unsaturated polyesters having carbon-to-carbon unsaturation
- C09D167/07 . . having terminal carbon-to-carbon unsaturated bonds
- C09D167/08 . Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids
- C09D169/00** **Coating compositions based on polycarbonates; Coating compositions based on derivatives of polycarbonates**
- C09D169/00B . [N: Polyester-carbonates]
- C09D171/00** **Coating compositions based on polyethers obtained by reactions forming an ether link in the main chain (based on polyacetals [C09D159/00](#); based on epoxy resins [C09D163/00](#); based on polythioether-ethers [C09D181/02](#); based on polyethersulfones [C09D181/06](#)); Coating compositions based on derivatives of such polymers**
- C09D171/02 . Polyalkylene oxides
- C09D171/03 . . Polyepihalohydrins
- C09D171/08 . Polyethers derived from hydroxy compounds or from their metallic derivatives ([C09D171/02](#) takes precedence) [N: not used] [N0409]
- C09D171/10 . . from phenols [N: not used] [N0409]
- C09D171/12 . . . Polyphenylene oxides[N0409] [C0409]
- C09D171/14 . . Furfuryl alcohol polymers [C0409]
- C09D173/00** **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 [C09D159/00](#) to [C09D171/00](#); Coating compositions based on derivatives of such polymers**
- C09D173/02 . Polyanhydrides

**C09D175/00**      **Coating compositions based on polyureas or polyurethanes; Coating compositions based on derivatives of such polymers**

- C09D175/02      . Polyureas
- C09D175/04      . Polyurethanes
- C09D175/06      . . from polyesters
- C09D175/08      . . from polyethers
- C09D175/10      . . from polyacetals
- C09D175/12      . . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group
- C09D175/14      . . Polyurethanes having carbon-to-carbon unsaturated bonds
- C09D175/16      . . . having terminal carbon-to-carbon unsaturated bonds

**C09D177/00**      **Coating compositions based on polyamides obtained by reactions forming a carboxylic amide link in the main chain (based on polyhydrazides [C09D179/06](#); based on polyamide-imides [C09D179/08](#)); Coating compositions based on derivatives of such polymers**

- C09D177/02      . Polyamides derived from omega-amino carboxylic acids or from lactams thereof ([C09D177/10 takes precedence](#))
- C09D177/04      . Polyamides derived from alpha-amino carboxylic acids ([C09D177/10 takes precedence](#))
- C09D177/06      . Polyamides derived from polyamines and polycarboxylic acids ([C09D177/10 takes precedence](#))
- C09D177/08      . . from polyamines and polymerised unsaturated fatty acids
- C09D177/10      . Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids
- C09D177/12      . Polyester-amides

**C09D179/00**      **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 [C09D161/00](#) to [C09D177/00](#)**

- C09D179/02      . Polyamines
- C09D179/04      . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors
- C09D179/06      . . Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles
- C09D179/08      . . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors
- C09D179/08B      . . . [N: Unsaturated polyimide precursors]

**C09D181/00**      **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**

C09D181/02 . Polythioethers; Polythioether-ethers

C09D181/04 . Polysulfides

C09D181/06 . Polysulfones; Polyethersulfones

C09D181/08 . Polysulfonates

C09D181/10 . Polysulfonamides; Polysulfonimides

**C09D183/00** **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**

[N: **Notes**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 previous existing ECLA(+B) notation, e.g. C09D183/04+B4S (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 ICO symbols, e.g. M08G77/12 and M08G77/20.  
[N2010.09]  
]

C09D183/02 . Polysilicates

C09D183/04 . Polysiloxanes

C09D183/06 . . containing silicon bound to oxygen-containing groups ([C09D183/12](#) takes precedence)

C09D183/08 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen

C09D183/10 . Block or graft copolymers containing polysiloxane sequences (obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane [C09D151/08](#), [C09D153/00](#))

C09D183/12 . . containing polyether sequences

C09D183/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms ([C09D183/10](#) takes precedence)

C09D183/16 . in which all the silicon atoms are connected by linkages other than oxygen atoms

**C09D185/00** **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**

- C09D185/02 . containing phosphorus
- C09D185/04 . containing boron
- C09D187/00** **Coating compositions based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds**
- C09D187/00B . [N: Block or graft polymers not provided for in groups [C09D101/00](#) to [C09D185/04](#)]
- Guide heading:** **Coating compositions based on natural macromolecular compounds or on derivatives thereof** ([based on polysaccharides C09D101/00 to C09D105/00](#); [based on natural rubber C09D107/00](#))
- C09D189/00** **Coating compositions based on proteins; Coating compositions based on derivatives thereof** ([foodstuff preparations A23J3/00](#))
- C09D189/00B . [N: Casein]
- C09D189/02 . Casein-aldehyde condensates
- C09D189/04 . Products derived from waste materials, e.g. horn, hoof or hair [C1002]
- C09D189/06 . . derived from leather or skin
- C09D191/00** **Coating compositions based on oils, fats or waxes; Coating compositions based on derivatives thereof** ([polishing compositions, ski waxes C09G](#); [soaps, detergent compositions C11D](#))
- C09D191/00B . [N: Drying oils]
- C09D191/02 . Vulcanised oils, e.g. factice
- C09D191/04 . Linoxyn
- C09D191/06 . Waxes
- C09D191/08 . . Mineral waxes [C1002]
- C09D193/00** **Coating compositions based on natural resins; Coating compositions based on derivatives thereof** ([polishing compositions C09G](#))
- C09D193/02 . Shellac
- C09D193/04 . Rosin
- C09D195/00** **Coating compositions based on bituminous materials, e.g. asphalt, tar, pitch**
- C09D195/00B . [N: Aqueous compositions, e.g. emulsions]

**C09D197/00**      **Coating compositions based on lignin-containing materials**

- C09D197/00B      . [N: Peat, lignite, coal (briquettes [C10L5/00](#); working-up peat ; ceramic products based on carbon or carbides)]
- C09D197/00C      . [N: Lignin]
- C09D197/00D      . [N: Cork]
- C09D197/02      . Lignocellulosic material, e.g. wood, straw or bagasse [[C1002](#)]

**C09D199/00**      **Coating compositions based on natural macromolecular compounds or on derivatives thereof, not provided for in groups [C09D189/00](#) to [C09D197/00](#)****C09D201/00**      **Coating compositions based on unspecified macromolecular compounds**

- C09D201/00B      . [N: Dendritic macromolecules] [[N9712](#)] [[C0007](#)]
- C09D201/02      . characterised by the presence of specified groups, [N: e.g. terminal or pendant functional groups] [[C0005](#)]
- C09D201/02N      . . [N: containing nitrogen atoms] [[N0005](#)]
- C09D201/04      . . containing halogen atoms
- C09D201/06      . . containing oxygen atoms [N: ([C09D201/02N](#) takes precedence)] [[C0005](#)]
- C09D201/08      . . . Carboxyl groups
- C09D201/10      . . containing hydrolysable silane groups