

**ECLA****EUROPEAN CLASSIFICATION****C08L**

**COMPOSITIONS OF MACROMOLECULAR COMPOUNDS (pesticides, herbicides A01N; pharmaceuticals, cosmetics A61K; explosives C06B; compositions based on polymerisable monomers C08F, C08G; paints, inks, varnishes, dyes, polishes, adhesives C09; lubricants C10M; detergents C11D; artificial filaments or fibres D01F; textile treating compositions D06) [C9606]**

**[N: WARNING**

[C1111] "Rubber" includes:

natural or conjugated diene rubbers;

rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for compositions of such macromolecular compounds).

In this subclass:

compositions are classified according to the mutual proportions by weight of only the macromolecular constituents;

compositions are classified according to the macromolecular constituent or constituents present in the highest proportion: if all these constituents are present in equal proportions the composition is classified according to each of these constituents.

]

**[N: Notes**

1. Compositions classified in C08K according to note 3 of C08K, are not classified in C08L.
2. Documents classified before 09.2003: Classification is given in the form of C-Sets. The polymer in majority is given a C08L 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](#), [M08L27/1 2](#), [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/OOB](#), [M08L7 1/00](#), [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 [C08L23/00-C08L23/36](#), [C08L45/00-C08L45/02](#) and [C08L49/00](#) have all been reclassified following Note 3 below. An additive is classified in the last appropriate place in the list as selected for each C08L group. Examples:
  - a. A composition based on a polyamide and a graft polymer is classified in ([C08L77/00](#), [M08L666/24](#)).
  - b. A composition based on polyvinylchloride and containing CaCO<sub>3</sub> is classified according to note 4 of C08K, i.e. in ([C08K3/26](#), [C08L27/06](#)).
  - If this composition contains also a polyamide, then the classification will be ([C08L27/06](#), [M08L77/00](#), [M08K3/26](#)).
  - c. A composition based on a polysiloxane ([C08L83/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C08L83/04](#), [M08L83/04](#), [M08L666/34](#), [M08L666/58](#)).
3. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a C08L class, 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 M08L codes in

the C-Set: [M08L1/00](#), [M08L81/00](#), [M08L83/00](#), [M08L91/06](#), [M08L95/00](#) or [M08L666/02](#)- [M08L666/08](#), [M08L666/14](#)-[M08L666/26](#). Examples:

- a. A blend of 60 parts polyvinylchloride ([C08L27/06](#)) and 40 parts polyamide is classified in ([C08L27/06](#), [M08L666/20](#)) and [M08L77/00](#).
  - b. A blend of 50 parts polyvinylchloride ([C08L27/06](#)) and 50 parts polyamide ([C08L77/00](#)) is classified in ([C08L27/06](#), [M08L666/20](#)) and [M08L77/00](#), as well as in ([C08L77/00](#), [M08L666/04](#)) and [M08L27/06](#).
  - c. A composition based on polyvinylchloride and containing CaCO<sub>3</sub> is classified according to [N: Note 4 of C08K, i.e. in ([C08K3/26](#), [C08L27/06](#))].  
If this composition contains also a polyamide, then the classification will be ([C08L27/06](#), [M08L666/20](#)) and [M08K3/26](#).
  - d. A composition based on a first polysiloxane ([C08L83/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C08L83/04](#), [M08L83/04](#), [M08K5/13](#), [M08K3/36](#)) and [M08L205/02](#).
4. From April 2012 onwards, after the notation C08L, notations concerning the other constituents of the 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 blend of 60 parts polyvinylchloride ([C08L27/06](#)) and 40 parts polyamide ([C08L77/00](#)) is classified in ([C08L27/06](#), [M08L77/00](#)).
- b. A blend of 50 parts polyvinylchloride ([C08L27/06](#)) and 50 parts polyamide ([C08L77/00](#)) is classified in ([C08L27/06](#), [M08L77/00](#)) and ([C08L77/00](#), [M08L27/06](#)).
- c. A composition based on polyvinylchloride and containing CaCO<sub>3</sub> is classified according to [N: Note 4 of C08K, i.e. in ([C08K3/26](#), [C08L27/06](#))].  
If this composition contains also a polyamide, then the classification will be ([C08L27/06](#), [M08L77/00](#), [M08K3/26](#)).
- d. A composition based on a first polysiloxane ([C08L83/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C08L83/04](#), [M08L83/00](#), [M08K5/13](#), [M08K3/36](#)) and [M08L205/02](#).
- e. A composition containing a polyamide in majority, a polyester and a polyethylene is classified in ([C08L77/00](#), [M08L67/00](#), [M08L23/06](#)) and [M08L205/03](#).

]

**Guide heading:** **Compositions of polysaccharides or of their derivatives**

**C08L1/00** **Compositions of cellulose, modified cellulose or cellulose derivatives**

- C08L1/02 . Cellulose; Modified cellulose
- C08L1/04 . . [N: Oxycellulose; Hydrocellulose, e.g. microcrystalline cellulose] [C1201]
- C08L1/06 . . Cellulose hydrate
- C08L1/08 . Cellulose derivatives

- C08L1/10 . . [N: Esters of organic acids, i.e. acylates] [C1201]
- C08L1/12 . . . Cellulose acetate
- C08L1/14 . . . Mixed esters, e.g. cellulose acetate-butyrate
- C08L1/16 . . Esters of inorganic acids
- C08L1/18 . . . [N: Cellulose nitrate, i.e. nitrocellulose] [C1201]
- C08L1/20 . . Esters of both organic acids and inorganic acids
- C08L1/22 . . Cellulose xanthate
- C08L1/24 . . . Viscose
- C08L1/26 . . Cellulose ethers
- C08L1/28 . . . Alkyl ethers
- C08L1/28B . . . . [N: with halogen-substituted hydrocarbon radicals]
- C08L1/28D . . . . [N: with hydroxylated hydrocarbon radicals]
- C08L1/28F . . . . [N: substituted with acid radicals, e.g. carboxymethyl cellulose (CMC) (C08L1/28B takes precedence)] [C1201]
- C08L1/28H . . . . [N: substituted with nitrogen-containing radicals]
- C08L1/30 . . . Aryl ethers; Aralkyl ethers
- C08L1/32 . . Cellulose ether-esters

**C08L3/00**                    **Compositions of starch, amylose or amylopectin or of their derivatives or degradation products**

- C08L3/02 . Starch; Degradation products thereof, e.g. dextrin
- C08L3/04 . [N: Starch derivatives, e.g. crosslinked derivatives] [C1201]
- C08L3/06 . . Esters
- C08L3/08 . . Ethers
- C08L3/10 . . Oxidised starch
- C08L3/12 . Amylose; Amylopectin; Degradation products thereof
- C08L3/14 . Amylose derivatives; Amylopectin derivatives
- C08L3/16 . . Esters
- C08L3/18 . . Ethers
- C08L3/20 . . Oxidised amylose; Oxidised amylopectin

**C08L5/00**                    **Compositions of polysaccharides or of their derivatives not provided for in groups C08L1/00 or C08L3/00**

- C08L5/02 . Dextran; Derivatives thereof
- C08L5/04 . Alginic acid; Derivatives thereof
- C08L5/06 . Pectin; Derivatives thereof
- C08L5/08 . Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
- C08L5/10 . Heparin; Derivatives thereof

C08L5/12 . [N: Agar or agar-agar, i.e. mixture of agarose and agarpectin; Derivatives thereof]  
[C1201]

C08L5/14 . Hemicellulose; Derivatives thereof

C08L5/16 . Cyclodextrin; Derivatives thereof

**Guide heading:** **Compositions of rubber or of their derivatives**

**C08L7/00** **Compositions of natural rubber**

C08L7/02 . Latex

**C08L9/00** **Compositions of homopolymers or copolymers of conjugated diene hydrocarbons**

C08L9/02 . Copolymers with acrylonitrile

C08L9/04 . . Latex

C08L9/06 . Copolymers with styrene

C08L9/08 . . Latex

C08L9/10 . Latex ([C08L9/04](#), [C08L9/08](#) take precedence)

**C08L11/00** **Compositions of homopolymers or copolymers of chloroprene**

C08L11/02 . Latex

**C08L13/00** **Compositions of rubbers containing carboxyl groups**

C08L13/02 . Latex

**C08L15/00** **Compositions of rubber derivatives** ([C08L11/00](#), [C08L13/00](#) take precedence)

C08L15/00B . [N: Hydrogenated nitrile rubber]

C08L15/02 . Rubber derivatives containing halogen

**C08L17/00** **Compositions of reclaimed rubber**

**C08L19/00** **Compositions of rubbers not provided for in groups [C08L7/00](#) to [C08L17/00](#)**

C08L19/00B . [N: Precrosslinked rubber; Scrap rubber; Used vulcanised rubber]

C08L19/00D . [N: Rubber characterised by functional groups, e.g. telechelic diene polymers]

C08L19/02 . Latex

**C08L21/00 Compositions of unspecified rubbers**

C08L21/02 . Latex

**Guide heading:** **Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds**

[N: **Note**

Groups [C08L23/00](#) to [C08L49/00](#) are to be interpreted in accordance with Notes 2), 3) and 4 a) following the title of subclass [C08F](#)

]

**C08L23/00 Compositions of homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Compositions of derivatives of such polymers**

C08L23/02 . not modified by chemical after-treatment

C08L23/02D . . [N: Copolymer of an unspecified olefin with a monomer other than an olefin]

C08L23/04 . . Homopolymers or copolymers of ethene

C08L23/06 . . . Polyethene

C08L23/08 . . . Copolymers of ethene ([C08L23/16](#) takes precedence)

C08L23/08A . . . . [N: Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms] [N0310]

C08L23/08A1 . . . . . [N: Copolymers of ethene with aliphatic 1-olefins] [N0310]

C08L23/08A1A . . . . . [N: Copolymers of ethene with aliphatic cyclic olefins] [N0310]

C08L23/08A3 . . . . . [N: Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond] [N0310]

C08L23/08A5 . . . . . [N: Copolymers of ethene with aromatic monomers] [N0310]

C08L23/08C . . . . [N: Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms] [N0310]

C08L23/08C1 . . . . . [N: Vinylacetate] [N0310]

C08L23/08C1A . . . . . [N: Saponified vinylacetate] [N0310]

C08L23/08C3 . . . . . [N: Acids or derivatives thereof] [N0310]

C08L23/08C3A . . . . . [N: Neutralised polymers, i.e. ionomers] [N0310]

C08L23/08C3C . . . . . [N: Epoxide containing esters] [N0310]

C08L23/08C5 . . . . . [N: containing monomers with other atoms than carbon, hydrogen or oxygen atoms] [N0310]

C08L23/10 . . Homopolymers or copolymers of propene

C08L23/12 . . . Polypropene

C08L23/14 . . . Copolymers of propene ([C08L23/16](#) takes precedence)

C08L23/14A . . . . [N: at least partially crystalline copolymers of propene with other olefins] [N0309]

C08L23/14B . . . . [N: Copolymers of propene with monomers having more than one C=C double bond] [N0309]

- C08L23/14C . . . . [N: Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms] [N0309]
- C08L23/16 . . [N: Elastomeric] ethene-propene or ethene-propene-diene copolymers, [N: e.g. EPR and EPDM rubbers] [C0309]
- [N: **Note**  
[N0310]This group is used for polymers comprising both ethylene and propylene ]
- C08L23/18 . . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
- C08L23/20 . . . having four to nine carbon atoms
- C08L23/22 . . . . Copolymers of isobutene; Butyl rubber [N: Homo- or copolymers of other iso-olefins]
- C08L23/24 . . . having ten or more carbon atoms
- C08L23/26 . modified by chemical after-treatment
- C08L23/28 . . by reaction with halogens or compounds containing halogen ([C08L23/32](#) takes precedence)
- C08L23/28B . . . [N: Halogenated homo- or copolymers of iso-olefins]
- C08L23/28D . . . [N: Chlorinated polyethylene]
- C08L23/30 . . by oxidation
- C08L23/32 . . by reaction with compounds containing phosphorus or sulfur
- C08L23/34 . . . by chlorosulfonation
- C08L23/36 . . by reaction with compounds containing nitrogen, e.g. by nitration
- C08L25/00** **Compositions of, 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; Compositions of derivatives of such polymers**
- C08L25/02 . Homopolymers or copolymers of hydrocarbons
- C08L25/04 . . Homopolymers or copolymers of styrene
- C08L25/06 . . . Polystyrene
- C08L25/08 . . . Copolymers of styrene ([C08L29/08](#), [C08L35/06](#), [C08L55/02](#) take precedence)
- C08L25/10 . . . . with conjugated dienes
- C08L25/12 . . . . with unsaturated nitriles
- C08L25/14 . . . . with unsaturated esters
- C08L25/16 . . Homopolymers or copolymers of alkyl-substituted styrenes
- C08L25/18 . Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen
- C08L27/00** **Compositions of 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; Compositions of derivatives of such polymers**
- C08L27/02 . not modified by chemical after-treatment
- C08L27/04 . . containing chlorine atoms

- C08L27/06 . . . Homopolymers or copolymers of vinyl chloride
- C08L27/08 . . . Homopolymers or copolymers of vinylidene chloride
- C08L27/10 . . containing bromine or iodine atoms
- C08L27/12 . . containing fluorine atoms
- C08L27/14 . . . Homopolymers or copolymers of vinyl fluoride
- C08L27/16 . . . Homopolymers or copolymers or vinylidene fluoride
- C08L27/18 . . . Homopolymers or copolymers or tetrafluoroethene
- C08L27/20 . . . Homopolymers or copolymers of hexafluoropropene
  
- C08L27/22 . modified by chemical after-treatment
- C08L27/24 . . halogenated

**C08L29/00**      **Compositions of 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; Compositions of hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Compositions of derivatives of such polymers**

- C08L29/02 . Homopolymers or copolymers of unsaturated alcohols ([C08L29/14 takes precedence](#))
- C08L29/04 . . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids
- C08L29/06 . . Copolymers of allyl alcohol
- C08L29/08 . . . with vinyl-aromatic monomers
  
- C08L29/10 . Homopolymers or copolymers of unsaturated ethers ([C08L35/08 takes precedence](#))
  
- C08L29/12 . Homopolymers or copolymers of unsaturated ketones
  
- C08L29/14 . Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols

**C08L31/00**      **Compositions of 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 ([of hydrolysed polymers C08L29/00](#)); Compositions of derivatives of such polymers**

- C08L31/02 . Homopolymers or copolymers of esters of monocarboxylic acids
- C08L31/04 . . Homopolymers or copolymers of vinyl acetate
  
- C08L31/06 . Homopolymers or copolymers of esters of polycarboxylic acids
- C08L31/08 . . of phthalic acid

**C08L33/00**      **Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers**

- C08L33/02 . Homopolymers or copolymers of acids; Metal or ammonium salts thereof
- C08L33/04 . Homopolymers or copolymers of esters [N: (C08L43/04 takes precedence)]
- C08L33/06 . . of esters containing only carbon, hydrogen and oxygen, which oxygen atoms are present only as part of the carboxyl radical
- C08L33/06B . . . [N: Copolymers with monomers not covered by C08L33/06]
- C08L33/06B2 . . . . [N: containing anhydride, COOH or COOM groups, with M being metal or onium-cation]
- C08L33/06B4 . . . . [N: containing -OH groups]
- C08L33/06B6 . . . . [N: containing glycidyl groups]
- C08L33/08 . . . Homopolymers or copolymers of acrylic acid esters
- C08L33/10 . . . Homopolymers or copolymers of methacrylic acid esters
- C08L33/12 . . . . Homopolymers or copolymers of methyl methacrylate
- C08L33/14 . . of esters containing halogen, nitrogen, sulfur, or oxygen atoms in addition to the carboxy oxygen
- C08L33/16 . . . Homopolymers or copolymers of esters containing halogen atoms
- C08L33/18 . Homopolymers or copolymers of nitriles
- C08L33/20 . . Homopolymers or copolymers of acrylonitrile (C08L55/02 takes precedence)
- C08L33/22 . . Homopolymers or copolymers of nitriles containing four or more carbon atoms
- C08L33/24 . Homopolymers or copolymers of amides or imides
- C08L33/26 . . Homopolymers or copolymers of acrylamide or methacrylamide
  
- C08L35/00** **Compositions of 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 one other carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers**
- C08L35/02 . Homopolymers or copolymers of esters (C08L35/06, C08L35/08 take precedence)
- C08L35/04 . Homopolymers or copolymers of nitriles (C08L35/06, C08L35/08 take precedence)
- C08L35/06 . Copolymers with vinyl aromatic monomers
- C08L35/08 . Copolymers with vinyl ethers
  
- C08L37/00** **Compositions of 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 (of cyclic esters of polyfunctional acids C08L31/00; of cyclic anhydrides of unsaturated acids C08L35/00); Compositions of derivatives of such polymers**
  
- C08L39/00** **Compositions of 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; Compositions of derivatives of such polymers**

- C08L39/02** . Homopolymers or copolymers of vinylamine
- C08L39/04** . Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
- C08L39/06** . . Homopolymers or copolymers of N-vinyl-pyrrolidones
- C08L39/08** . . Homopolymers or copolymers of vinyl-pyridine
- C08L41/00** **Compositions of 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; Compositions of derivatives of such polymers**
- C08L43/00** **Compositions of 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; Compositions of derivatives of such polymers (of metal salts, e.g. phenolates, alcoholates, see the parent compounds)**
- C08L43/02** . Homopolymers or copolymers of monomers containing phosphorus
- C08L43/04** . Homopolymers or copolymers of monomers containing silicon
- C08L45/00** **Compositions of homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic ring system; Compositions of derivatives of such polymers (of cyclic anhydrides or imides [C08L35/00](#); of cyclic esters of polyfunctional acids [C08L31/00](#))**
- C08L45/02** . of coumarone-indene polymers
- C08L47/00** **Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Compositions of derivatives of such polymers ([C08L45/00](#) takes precedence; of conjugated diene rubbers [C08L9/00](#) to [C08L21/00](#))**
- C08L49/00** **Compositions of homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Compositions of derivatives of such polymers**
- C08L51/00** **Compositions of graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (for ABS polymers [C08L55/02](#)); Compositions of derivatives of such polymers**
- C08L51/00B** . [N: grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds ([C08L51/04](#), [C08L51/06](#) take precedence)]
- C08L51/00C** . [N: grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds] [N9409]
- C08L51/02** . grafted on to polysaccharides

- C08L51/04 . grafted on to rubbers
- C08L51/06 . grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond
- C08L51/08 . grafted on to macromolecular compounds obtained otherwise than by reactions only involving unsaturated carbon-to-carbon bonds
- C08L51/08S . . [N: on to polysiloxanes]
- C08L51/10 . grafted on to inorganic materials
  
- C08L53/00** **Compositions of block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Compositions of derivatives of such polymers**
  
- C08L53/00B . [N: Modified block copolymers] [N9409]
- C08L53/02 . of vinyl-aromatic monomers and conjugated dienes
- C08L53/02B . . [N: modified] [N9409]
  
- C08L55/00** **Compositions of homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups [C08L23/00](#) to [C08L53/00](#)**
  
- C08L55/00B . [N: Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond]
- C08L55/02 . ABS [Acrylonitrile-Butadiene-Styrene] polymers [C1002]
- C08L55/04 . Polyadducts obtained by the diene synthesis
  
- C08L57/00** **Compositions of unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds**
  
- C08L57/02 . Copolymers of mineral oil hydrocarbons
- C08L57/04 . Copolymers in which only the monomer in minority is defined
- C08L57/06 . Homopolymers or copolymers containing elements other than carbon and hydrogen
- C08L57/08 . . containing halogen atoms
- C08L57/10 . . containing oxygen atoms
- C08L57/12 . . containing nitrogen atoms
  
- Guide heading:** **Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds**
  
- C08L59/00** **Compositions of polyacetals ; Compositions of derivatives of polyacetals (of polyvinyl acetals [C08L29/14](#)) [C1002]**

- C08L59/02 . Polyacetals containing polyoxymethylene sequences only
- C08L59/04 . Copolyoxymethylenes
- C08L61/00** **Compositions of condensation polymers of aldehydes or ketones (with polyalcohols [C08L59/00](#); with polynitriles [C08L77/00](#)); Compositions of derivatives of such polymers**
- C08L61/02 . Condensation polymers of aldehydes or ketones only
- C08L61/04 . Condensation polymers of aldehydes or ketones with phenols only
- C08L61/06 . . of aldehydes with phenols
- C08L61/12 . . . with polyhydric phenols
- C08L61/14 . . . Modified phenol-aldehyde condensates
- C08L61/16 . . of ketones with phenols
- C08L61/18 . Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only
- C08L61/20 . Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with aminophenols [C08L61/04](#))
- C08L61/22 . . of aldehydes with acyclic or carbocyclic compounds
- C08L61/24 . . . with urea or thiourea
- C08L61/26 . . of aldehydes with heterocyclic compounds
- C08L61/28 . . . with melamine
- C08L61/30 . . of aldehydes with heterocyclic and acyclic or carbocyclic compounds
- C08L61/32 . . Modified amine-aldehyde condensates
- C08L61/34 . Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups [C08L61/04](#), [C08L61/18](#) and [C08L61/20](#)
- C08L63/00** **Compositions of epoxy resins; Compositions of derivatives of epoxy resins**
- C08L63/04 . Epoxynovolacs
- C08L63/06 . Triglycidylisocyanurates
- C08L63/08 . Epoxidised polymerised polyenes
- C08L63/10 . Epoxy resins modified by unsaturated compounds
- [N: **Note**  
In groups [C08L65/00](#) to [C08L85/00](#), in the absence of an indication to the contrary, compositions of macromolecular compounds, obtained by reactions forming two different linkages in the main chain, are classified only according to the linkage present in excess  
]
- C08L65/00** **Compositions of macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain ([C08L7/00](#) to [C08L57/00](#), [C08L61/00](#) take**

cedence); **Compositions of derivatives of such polymers**

C08L65/02 . Polyphenylenes

C08L65/04 . Polyxylenes

**C08L67/00** **Compositions of polyesters obtained by reactions forming a carboxylic ester link in the main chain (of polyester-amides [C08L77/12](#); of polyester-imides [C08L79/08](#)); Compositions of derivatives of such polymers**

C08L67/02 . Polyesters derived from dicarboxylic acids and dihydroxy compounds ([C08L67/06 takes precedence](#))

C08L67/02B . . [N: containing polyether sequences]

C08L67/03 . . the dicarboxylic acids and dihydroxy compounds having the carboxyl- and the hydroxy groups directly linked to aromatic rings

C08L67/04 . Polyesters derived from hydroxycarboxylic acids, e.g. lactones ([C08L67/06 takes precedence](#))

C08L67/06 . Unsaturated polyesters

C08L67/07 . . having terminal carbon-to-carbon unsaturated bonds

C08L67/08 . Polyesters modified with higher fatty oils or their acids, or with resins or resin acids

**C08L69/00** **Compositions of polycarbonates; Compositions of derivatives of polycarbonates**

C08L69/00B . [N: Polyester-carbonates]

**C08L71/00** **Compositions of polyethers obtained by reactions forming an ether link in the main chain (of polyacetals [C08L59/00](#); of epoxy resins [C08L63/00](#); of polythioether-ethers [C08L81/02](#); of polyether-sulfones [C08L81/06](#)); Compositions of derivatives of such polymers**

C08L71/02 . Polyalkylene oxides

C08L71/03 . . Polyepihalohydrins

C08L71/08 . Polyethers derived from hydroxy compounds or from their metallic derivatives ([C08L71/02 takes precedence](#)) [N: not used] [N0409]

C08L71/10 . . from phenols [N: not used] [N0409]

C08L71/12 . . . Polyphenylene oxides [C0409]

C08L71/12B . . . . [N: not modified by chemical after-treatment] [N9409] [C0409]

C08L71/12C . . . . [N: modified by chemical after-treatment] [N9409] [C0409]

C08L71/14 . . Furfuryl alcohol polymers [C0409]

**C08L73/00** **Compositions of macromolecular compounds obtained by reactions forming a linkage containing oxygen or oxygen and carbon in the main chain, not provided for in groups [C08L59/00](#) to [C08L71/00](#); Compositions of derivatives of such polymers**

- C08L73/02 . Polyanhydrides
- C08L75/00** **Compositions of polyureas or polyurethanes; Compositions of derivatives of such polymers**
- C08L75/02 . Polyureas
- C08L75/04 . Polyurethanes
- C08L75/06 . . from polyesters
- C08L75/08 . . from polyethers
- C08L75/10 . . from polyacetals
- C08L75/12 . . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group
- C08L75/14 . . Polyurethanes having carbon-to-carbon unsaturated bonds
- C08L75/16 . . . having terminal carbon-to-carbon unsaturated bonds
- C08L77/00** **Compositions of polyamides obtained by reactions forming a carboxylic amide link in the main chain (of polyhydrazides [C08L79/06](#); of polyamideimides or polyamide acids [C08L79/08](#)); Compositions of derivatives of such polymers**
- C08L77/02 . Polyamides derived from omega-amino carboxylic acids or from lactams thereof ([C08L77/10](#) takes precedence)
- C08L77/04 . Polyamides derived from alpha-amino carboxylic acids ([C08L77/10](#) takes precedence)
- C08L77/06 . Polyamides derived from polyamines and polycarboxylic acids ([C08L77/10](#) takes precedence)
- C08L77/08 . . from polyamines and polymerised unsaturated fatty acids
- C08L77/10 . Polyamides derived from aromatically bound amino and carboxyl groups of amino-carboxylic acids or of polyamines and polycarboxylic acids
- C08L77/12 . Polyester-amides
- C08L79/00** **Compositions of 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 [C08L61/00](#) to [C08L77/00](#)**
- C08L79/02 . Polyamines
- C08L79/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors
- C08L79/06 . . Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles
- C08L79/08 . . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors
- C08L79/08B . . . [N: Unsaturated polyimide precursors]
- C08L81/00** **Compositions of macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing sulfur with or without**

**ogen, oxygen or carbon only; Compositions of polysulfones; Compositions of derivatives of such polymers**

C08L81/02 . Polythioethers; Polythioether-ethers

C08L81/04 . Polysulfides

C08L81/06 . Polysulfones; Polyethersulfones

C08L81/08 . Polysulfonates

C08L81/10 . Polysulfonamides; Polysulfonimides

**C08L83/00 Compositions of 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; Compositions of derivatives of such polymers**

[N: **Notes**

[N1209] In this main group, from 01.09.2010 onwards, new documents are classified according to the following system. The composition is identified with the C-Set, e.g. (C08L83/04, [C08L83/04](#)) (for a composition containing two or more siloxanes), while the info ]

C08L83/02 . Polysilicates

C08L83/04 . Polysiloxanes

C08L83/06 . . containing silicon bound to oxygen-containing groups ([C08L83/12 takes precedence](#))

C08L83/08 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen and oxygen

C08L83/10 . Block- or graft-copolymers containing polysiloxane sequences ([obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane C08L51/08, C08L53/00](#))

C08L83/12 . . containing polyether sequences

C08L83/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms ([C08L83/10 takes precedence](#))

C08L83/16 . . in which all the silicon atoms are connected by linkages other than oxygen atoms

**C08L85/00 Compositions of macromolecular compounds obtained by reactions forming a linkage in the main chain of the macromolecule containing atoms other than silicon, sulfur, nitrogen, oxygen and carbon; Compositions of derivatives of such polymers**

C08L85/02 . containing phosphorus

C08L85/04 . containing boron

- C08L87/00**                    **Compositions of unspecific macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds**
- C08L87/00B                    . [N: Block or graft polymers not provided for in groups [C08L1/00](#) to [C08L85/04](#)]
- Guide heading:**            **Compositions of natural macromolecular compounds or of derivatives thereof (of polysaccharides [C08L1/00](#) to [C08L5/00](#); of natural rubber [C08L7/00](#))**
- C08L89/00**                    **Compositions of proteins; Compositions of derivatives thereof (foodstuff preparations [A23J3/00](#))**
- C08L89/00B                    . [N: Casein]
- C08L89/02                    . Casein-aldehyde condensates
- C08L89/04                    . Products derived from waste materials, e.g. horn, hoof or hair [[C1201](#)]
- C08L89/06                    . . [N: derived from leather or skin, e.g. gelatin] [[C1201](#)]
- C08L91/00**                    **Compositions of oils, fats or waxes; Compositions of derivatives thereof (polishing compositions, ski waxes [C09G](#); soaps, detergent compositions [C11D](#)) [[C9409](#)]**
- C08L91/00B                    . [N: Drying oils]
- C08L91/02                    . Vulcanised oils, e.g. factice
- C08L91/04                    . Linoxyn
- C08L91/06                    . Waxes
- C08L91/08                    . . Mineral waxes [[C1002](#)]
- C08L93/00**                    **Compositions of natural resins; Compositions of derivatives thereof (polishing compositions [C09G](#))**
- C08L93/02                    . Shellac (French polish [C09F](#))
- C08L93/04                    . Rosin
- C08L95/00**                    **Compositions of bituminous materials, e.g. asphalt, tar, pitch**
- C08L95/00B                    . [N: Aqueous compositions, e.g. emulsions]
- C08L97/00**                    **Compositions of lignin-containing materials**
- C08L97/00B                    . [N: Peat, lignite, coal (ceramic products based on carbon or carbides [C04B35/00](#); working-up peat [C10F7/00](#); briquettes [C10L5/00](#))]
- C08L97/00C                    . [N: Lignin]

- C08L97/00D . [N: Cork]
- C08L97/02 . Lignocellulosic material, e.g. wood, straw or bagasse [N: (manufacture of articles made from lignocellulosic material by dry processes B27N)] [C9409]
- C08L99/00** **Compositions of natural macromolecular compounds or of derivatives thereof not provided for in groups [C08L89/00](#) to [C08L97/00](#)**
- C08L101/00** **Compositions of unspecified macromolecular compounds**
- C08L101/00B . [N: Dendritic macromolecules] [N9712] [C0007]
- C08L101/02 . characterised by the presence of specified groups, [N: e.g. terminal or pendant functional groups] [C0005]
- C08L101/02N . . [N: containing nitrogen atoms] [N0005]
- C08L101/04 . . containing halogen atoms
- C08L101/06 . . containing oxygen atoms [N: ([C08L101/02N](#) takes precedence)] [C0005]
- C08L101/08 . . . Carboxyl groups
- C08L101/10 . . containing hydrolysable silane groups
- C08L101/12 . characterised by physical features, e.g. anisotropy, viscosity or electrical conductivity (liquid crystal materials or compositions [C09K19/00](#)) [N9801] [C1002]
- C08L101/14 . . the macromolecular compounds being water soluble or water swellable, e.g. aqueous gels [N9801]
- C08L101/16 . the macromolecular compounds being biodegradable [N0707] [C0707]