

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	C08G	18/00, 18/10
Notes Deleted:	C08G	18/0804, 18/0895, 18/28,
Notes New:	C08G	18/00, 18/10
Notes Modified:	C08G	Subclass, 18/67, 18/81
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)		
Definitions New:	C08G	18/81
Definitions Modified:	C08G	Subclass, 18/00, 18/10, 18/67

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS C08G - MACROMOLECULAR COMPOUNDS OBTAINED OTHERWISE THAN BY REACTIONS ONLY INVOLVING UNSATURATED CARBON-TO-CARBON BONDS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	C08G18/00	0	Polymeric products of isocyanates or isothiocyanates	
M	C08G18/10	3	Prepolymer processes involving reaction of isocyanates or isothiocyanates with compounds having active hydrogen in a first reaction step	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

C. New, Modified or Deleted Note(s)**SUBCLASS C08G - MACROMOLECULAR COMPOUNDS OBTAINED OTHERWISE THAN BY REACTIONS ONLY INVOLVING UNSATURATED CARBON-TO-CARBON BONDS**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	C08G	<p>1. In this subclass, group C08G 18/00 takes precedence over the other groups. A further classification is given if the polymers are obtained by reactions forming specific linkages for which an appropriate group is provided.</p> <p>2. Within each main group of this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p> <p>3. In groups C08G 61/00 - C08G 79/00, in the absence of an indication to the contrary, macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified only according to the linkage present in excess.</p> <p>4. This subclass <u>covers</u> also compositions based on monomers which from macromolecular compounds classifiable in this subclass. In this subclass:</p> <p>a. if the monomers are defined, classification is made in groups C08G 2/00 - C08G 79/00, C08G 83/00 according to the polymer to be formed;</p> <p>b. if the monomers are defined in a way that a composition cannot be classified within one main group of this subclass, the composition is classified in group C08G 85/00;</p> <p>c. if the compounding ingredients are of interest <u>per se</u>, classification is also made in subclass C08K.</p>	<p><u>Replace:</u> The existing Note with the following updated Note.</p> <p>1. Therapeutic activity of compounds is further classified in subclass A61P.</p> <p>2. In this subclass, group C08G 18/00 takes precedence over the other groups. A further classification is given if the polymers are obtained by reactions forming specific linkages for which an appropriate group is provided.</p> <p>3. Within each main group of this subclass, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p> <p>4. This subclass <u>covers</u> also compositions based on monomers which form macromolecular compounds classifiable in this subclass. In this subclass:</p> <p>a. if the monomers are defined, classification is made in groups C08G 2/00-C08G 79/00, C08G 83/00 according to the polymer to be formed;</p> <p>b. if the monomers are defined in a way that a composition cannot be classified within one main group of this subclass, the composition is classified in group C08G 85/00;</p> <p>c. if the compounding ingredients are of interest <u>per se</u>, classification is also made in subclass C08K.</p> <p>5. {In this subclass, combination sets [C-Sets] are used. The</p>

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
			detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions }
N	C08G18/00		<u>Insert:</u> The following new Note. In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.
D	C08G18/0804	Polymers prepared from unsaturated low molecular-weight compounds having active hydrogen or isocyanate or isothiocyanate groups are classified in the respective C08G 18/67 and C08G 18/81 groups, according to the notes after C08G 18/67 and C08G 18/81	<u>Delete:</u> The entire existing Note.
D	C08G18/0895	1. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign, are indicated the reactive components of a second or following step by one of the symbols C08G 18/2805, C08G 18/30 - C08G 18/38, C08G 18/40 - C08G 18/64 without subnotations, C08G 18/65 - C08G 18/66, C08G 18/70 - C08G 18/80 2. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign are indicated the oligomerisation of isocyanate or isothiocyanate groups in the prepolymers or in the added reactive components involving reaction of at least a part of the isocyanate- or isothiocyanate groups with each other in the reaction mixture by the symbols C08G 18/02 or C08G 18/09 respectively or by subnotations thereof	<u>Delete:</u> Both existing Notes.

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	C08G18/10		<p><u>Insert:</u> The following new Note.</p> <p>In groups C08G18/10 and C08G18/12, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.</p>
D	C08G18/28	<p>For the purpose of groups C08G 18/28 - C08G 18/69, the addition of water for the preparation of cellular materials is not taken into consideration {except in the case, wherein water is the only compound having active hydrogen C08G 18/302. When there is attributed a class in C08G 18/00 for a specific monomer or a catalyst, the addition of water as the sole blowing agent is indicated by indexing code C08G 2101/0083. Moreover specific aggregation forms of water, e.g. absorbed water and water of crystallisation are also classified in C08J 9/02}</p>	<p><u>Delete:</u> The entire existing Note.</p>
M	C08G18/67	<p>1. After the symbols C08G 18/67 and C08G 18/671 - C08G 18/679 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups from unsaturated low-molecular-weight compounds having active hydrogen by one of the symbols C08G 18/0804 - C08G 18/0833</p> <p>2. After the symbols C08G 18/671 - C08G 18/672 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 - C08G 18/64 without subnotations,</p>	<p><u>Replace:</u> The existing Note with the following new Note.</p> <p>In groups C08G18/67 - C08G18/679, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.</p>

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		C08G 18/65 - C08G 18/66, C08G 18/6705 and C08G 18/6795 - C08G 18/69. This note does not apply for the symbols C08G 18/6725 and C08G 18/673	
M	C08G18/81	<p>1. After the symbols C08G 18/81 - C08G 18/8191 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups by one of the symbols C08G 18/0804 - C08G 18/0833</p> <p>2. After the symbols C08G 18/8158 - C08G 18/8175 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 - C08G 18/64 without subnotations, C08G 18/65 - C08G 18/66, C08G 18/6705 and C08G 18/6795 - C08G 18/69</p>	<p><u>Replace:</u> The existing Note with the following new Note.</p> <p>In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.</p>

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (new)

Insert: The following new Definition.

C08G 18/81

Definition statement

This place covers:

Unsaturated iso(thio)cyanates and poly(thio)isocyanates masked with unsaturated compounds having active hydrogen

Special rules of classification

C-Sets classification:

In C08G18/81 - C08G18/8191 and C08G18/8158 - C08G18/8175, C-Sets (e.g. #C8Gf, #C8Ge) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C08G18/00.

C-Sets searches:

C-Sets search queries may be made according to C-Sets classification rules described in C08G18/00.

2. A. DEFINITIONS (modified)

C08G

Definition statement

Replace: In the second-to-last paragraph of the Definition statement, the lowercase element symbols “b, al, sn,” with the capitalized symbols “B, Al, Sn,” so that the paragraph reads as follows.

Other polymers obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds, e.g. Polymers obtained by reactions forming a linkage containing other elements in the main chain, e.g. P, B, Al, Sn, block copolymers obtained by inter-reacting polymers in the absence of monomers, dendrimers and hyperbranched polymers.

Relationships with other classification places

Replace: The entire existing text of the Relationships with other classification places section with the following new text.

Relationships with other subclasses of class C08 and C09

Subclasses C08B - C08L are generally function-oriented subclasses in relation to the polymers per se, while C09D - C09K are application-oriented subclasses in relation to the said polymers (see below for the special relationship with C09D and C09J).

Polysaccharides per se and their derivatives are classified in C08B.

Treatment and chemical modification of rubbers (homo- or copolymers of dienes classified in C08F36/00, C08F136/00, C08F236/00), are classified in C08C – however synthesis of rubbers and treatment or chemical modification of non-rubbers are classified in subclasses C08F or C08G.

Polymers as such, or their preparations are classified in C08F or C08G.

Macromolecular compounds per se obtained by reactions only involving carbon-to-carbon unsaturated bonds (usually known as addition polymers) are in C08F. Compositions based on monomers of such polymers are also in C08F.

DATE: FEBRUARY 1, 2020

PROJECT MP0450

Compositions of macromolecular compounds, either with other macromolecular compounds or with other ingredients, including compositions of polysaccharides, rubbers or natural macromolecular compounds, are classified in subclass C08L.

Coating compositions are classified in C09D and adhesive compositions are classified in C09J.

Coating compositions and other polymer compositions for similar uses, e.g. paints, inks, woodstains and printing pastes, are classified in C09D.

C09D and C09J are seen as "related fields" of C08L - this structure has implications on search and classification.

For classification:

If the claims only pertain to a "coating composition...", only the C09D symbols are given.

If the claims pertain to a composition as such and to coating (e.g. "composition for use as coating..."), both the C09D and the corresponding C08L symbols are given.

For searching: both C08G and C09D sub-classes are to be searched, regardless of the wording of the claims, since in many documents of C08G, a passage relating to the use of the composition for coating can be found.

These rules apply in analogy for the adhesive compositions of C09J.

C09G covers the application of the compositions of C08L when used as polishes. Adhesives and adhesive processes are classified in C09J.

Derivatives of natural macromolecular polymers per se, e.g. derived from proteins or vulcanised oils, are classified in C08H.

Working-up, general processes of compounding and after-treatment are covered by subclass C08J. These include making solutions, dispersions etc., plasticising, compounding with additives, e.g. colouring or masterbatching, crosslinking, manufacture of articles or shaped materials, chemical treatment or coating of such articles, making porous, cellular or foamed materials, and recovery or working up of waste materials.

Materials used in applications not otherwise provided for, are classified in C09K. These include sealing or anti-slip materials, heat-transfer, heat-exchange or heat-storage materials, drilling compositions, luminescent or tenebrescent materials, etching, surface-brightening or pickling materials, antioxidant

DATE: FEBRUARY 1, 2020

PROJECT MP0450

materials, soil-conditioning or soil-stabilising materials, liquid crystal or fireproofing materials.

Further relationships with other classification places:

Application of macromolecular compositions as biocides, pest-repellants, pest-attractants, or plant growth activity regulators is further classified in subclass A01N.

Therapeutic activity of macromolecular compounds is further classified in subclass A61P (as secondary classification).

The use of cosmetics or similar toilet preparations is further classified in subclass A61Q. Processes using enzymes or microorganisms in order to (i) liberate, separate or purify a pre-existing compound or composition, or to (ii) treat textiles or clean solid surfaces of materials, are further classified in subclass C12P.

Special rules of classification

Replace: The entire existing text of the Special rules of classification section with the following new text.

Classification guidance

- In this subclass, group C08G18/00 takes precedence over all other groups. A further classification is given if the polymers are obtained by reactions forming specific linkages for which an appropriate group is provided.
- Within each main group of this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.
- In groups C08G61/00 - C08G79/00, in the absence of an indication to the contrary, macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified only according to the linkage present in excess as disclosed in the document.
- This subclass also covers compositions based on monomers which form macromolecular compounds classifiable in this subclass.
- If the monomers are defined, classification is made in groups C08G2/00 - C08G79/00, C08G83/00 according to the polymer to be formed.

DATE: FEBRUARY 1, 2020

PROJECT MP0450

- If the monomers are defined in a way that a composition cannot be classified within one main group of this subclass, the monomers are classified in group C08G85/00.
- If the compounding ingredients are of interest per se, classification is also made in subclass C08K.

Combination sets (C-Sets):

In this subclass, C-Sets classification is applied to the following groups, listed in the table below, if the document discloses a pertinent combination of technical features that cannot be covered by the allocation of a single symbol. The fourth column of the table indicates the place where the detailed information about the C-Sets construction and the associated syntax rules can be found, in the definition section "Special rules of classification".

C-Sets ID	Base Symbols	Subsequent Symbols	C-Sets Formula; Location of C-Sets Rules
#C8Ga	C08G18/10, C08G18/12	C08G18/2805, C08G18/30- C08G18/3897, C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65- C08G18/6696, C08G18/70- C08G18/8096	(C08G, C08G); reaction of a prepolymer with a reactive compound; see C08G18/00.
#C8Gb	C08G18/10, C08G18/12	C08G18/02- C08G18/027, C08G18/09- C08G18/097	(C08G, C08G); oligomerisation of isocyanate- or isothiocyanate-terminated of prepolymers; see C08G18/00 .
#C8Gc	C08G18/67- C08G18/679,	C08G18/0804- C08G18/0833	(C08G, C08G); manufacture of polymers from unsaturated

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

	excluding C08G18/6705		low-molecular-weight compounds having active hydrogens and the resulting polymer also containing ionic or ionogenic group; see C08G18/00 .
#C8Gd	C08G18/671- C08G18/672	C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65- C08G18/6696, C08G18/6705, C08G18/6795- C08G18/698	(C08G, C08G); reaction step of an unsaturated compound having active hydrogen(s) with an isocyanate-terminated prepolymer, the second symbol refers to the high-molecular weight reaction component of the prepolymer; see C08G18/00 .
#C8Ge	C08G18/81- C08G18/8191	C08G18/0804- C08G18/0833	(C08G, C08G); manufacture of unsaturated isocyanate(s) or isothiocyanate(s) containing ionic or ionogenic groups; see C08G18/00 .
#C8Gf	C08G18/8158- C08G18/8175	C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64,	(C08G, C08G); reaction step of a process involving an unsaturated isocyanate-terminated prepolymer with a high molecular weight compound having active hydrogen; see C08G18/00 .

CPC NOTICE OF CHANGES 817

DATE: FEBRUARY 1, 2020

PROJECT MP0450

		C08G18/65- C08G18/6696, C08G18/6705, C08G18/6795- C08G18/698, C08G18/65- C08G18/6696, C08G18/6705, C08G18/6795- C08G18/698	
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The specific C-Sets rule is located at only one place of the base symbol in the section "Special rules of classification" in the definition. If the C-Sets rule is applicable to all groups of a subclass, it is located at the subclass level only. If the same C-Sets rule is applicable to multiple groups or subgroups within the same subclass, the C-Sets rule is placed at the highest group or subgroup of the multiple groups.

DATE: FEBRUARY 1, 2020

PROJECT MP0450

C08G 18/00

Insert: The following new Relationships with other classification places section.

Relationships with other classification places

Polymeric products containing ureide or urethane prepared without using isocyanate or isothiocyanate are classified in [C08G71/00](#).

References

Delete: The existing Limiting references section.

Informative references

Insert: The two new table rows below into the Informative references table.

Preparation of isocyanates or isothiocyanates	C07C263/00 , C07C331/16
Preparatory processes of porous or cellular materials, in which the monomers or catalysts are not specific	C08J

Special rules of classification

Replace: The existing text of the Special rules of classification section with the following new text.

Classification guidance

- In this group, for the purpose of groups [C08G18/28](#) - [C08G18/69](#), the addition of water for the preparation of cellular materials is not taken into consideration except in the case, wherein water is the only compound having active hydrogen [C08G18/302](#).
- When classification is done in [C08G18/00](#) for a specific monomer or a catalyst, the addition of water as the sole blowing agent is indicated by indexing code [C08G2101/0083](#). Moreover specific aggregation forms of water, e.g. absorbed water and water of crystallisation are also classified in [C08J9/02](#).
- In this group the Indexing Codes of [C08G](#) are used, in particular [C08G2101/00](#) - [C08G2410/00](#).

DATE: FEBRUARY 1, 2020

PROJECT MP0450

C-Sets classification:

- In C08G18/00, C-Sets (e.g. #C8Ga, #C8Gb, #C8Gc, #C8Gd, #C8Ge, or #C8Gf) are used. The detailed information about the C-Sets construction and the associated syntax rules are set forth below.
- All exemplified compositions in a document should be classified as separate C-Sets. In the absence of examples, at least one C-Set is given on the basis of sufficient disclosure in the document.

Combination sets (C-Sets):**C-Sets statement: #C8Ga**

- In group C08G18/10, the reaction step of a process involving a prepolymer; which is obtained from a high molecular weight compound; with a compound having active hydrogen(s) is classified in the form of C-Sets.
- In group C08G18/12, the reaction step of a process involving a prepolymer; which is obtained from two or more high molecular weight compounds; with a compound having active hydrogen(s) is classified in the form of C-Sets.
- Groups C08G18/10 or C08G18/12 are thus selected on the basis of the reaction leading to the prepolymer; whereas the C-Set reflects the reaction of said prepolymer with a compound having active hydrogen(s).
In #C8Ga, the base symbol, representing the prepolymer; which is obtained from a single high molecular weight compound is taken from the group C08G18/10, whereas the subsequent symbol representing the compound having active hydrogen(s) is taken from the groups C08G18/2805, C08G18/30 - C08G18/3897, C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65 - C08G18/6696, or a polyisocyanate compound taken from the groups C08G18/70 - C08G18/8096.
- In #C8Ga, the base symbol, representing the prepolymer; which is obtained from two or more of high molecular weight compounds is taken from the group C08G18/12, whereas the subsequent symbol representing the compound having active hydrogen(s) is taken from the groups C08G18/2805, C08G18/30 - C08G18/3897, C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65 - C08G18/6696, or a polyisocyanate compound taken from the groups C08G18/70 - C08G18/8096.
- When the compounds having active hydrogens are taken in the range C08G18/40 - C08G18/64, the groups C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64 are

DATE: FEBRUARY 1, 2020

PROJECT MP0450

thus used in the C-Sets as subsequent symbols and the appropriate corresponding subgroup thereof allocated as a separate single symbol.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.
- The order of symbols in these C-Sets is relevant as it reflects the order of the process steps.

C-Sets examples:

C8Ga: A prepolymer (C08G18/10) that is reacted with water (C08G18/302) is classified as (C08G18/10, C08G18/302).

#C8Ga: A prepolymer (C08G18/10) that is reacted with ethylene glycol (C08G18/3206) is classified as (C08G18/10, C08G18/3206).

#C8Ga: A prepolymer (C08G18/10) that is reacted with polyethylene glycol (C08G18/4833) is classified as (C08G18/10, C08G18/48) and C08G18/4833.

#C8Ga: A prepolymer which is obtained from two high molecular weight compounds (C08G18/12) that is reacted with ethanol (C08G18/282) is classified as (C08G18/12, C08G18/282).

#C8Ga: A prepolymer (C08G18/10) that is reacted with toluene di-isocyanate (C08G18/7621) is classified as (C08G18/10, C08G18/7621).

#C8Ga: A prepolymer obtained from the reaction of PEG and PPG with a diisocyanate molecule (C08G18/12); that is reacted with a polycaprolactone (C08G18/4277) is classified as (C08G18/12, C08G18/42) and C08G18/4277.

C-Sets statement: #C8Gb

- In group C08G18/10, the reaction step of a process involving the complete or partial oligomerisation of a prepolymer; which is obtained from a high molecular weight compound; is classified in the form of C-Sets.
- In group C08G18/12, the reaction step of a process involving the complete or partial oligomerisation of a prepolymer; which is obtained from two or more high molecular weight compounds; is classified in the form of C-Sets.
- Groups C08G18/10 or C08G18/12 are thus selected on the basis of the reaction leading to the prepolymer; whereas the C-Set reflects the complete or partial oligomerisation of said prepolymer.
- In #C8Gb, the base symbol, representing the prepolymer; which is obtained from a single high molecular weight compound is taken from the group C08G18/10, whereas the subsequent symbol representing the extent of reaction of the isocyanate or isothiocyanate is taken from the groups C08G18/02 - C08G18/027 and C08G18/09 - C08G18/097.
- In #C8Gb, the base symbol, representing the prepolymer; which is obtained from two or more of high molecular weight compounds is taken from the group C08G18/12, whereas the subsequent symbol representing the reaction of

DATE: FEBRUARY 1, 2020

PROJECT MP0450

the isocyanate or isothiocyanate is taken from the groups C08G18/02 - C08G18/027 and C08G18/09 - C08G18/097.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.
- The order of symbols in these C-Sets is relevant as it reflects the order of the process steps.

C-Sets examples:

#C8Gb: An isocyanate-functionalized prepolymer (C08G18/10) that is trimerized in the absence of a compound having active hydrogen into an isocyanurate compound (C08G18/022) is classified as (C08G18/10, C08G18/022).

#C8Gb and #C8Ga: An isocyanate-functional prepolymer (C08G18/10) that is trimerized in the presence of ethylene glycol into an isocyanurate compound (C08G18/09) is classified as (C08G18/10, C08G18/09) (according to #C8Gb) and (C08G18/10, C08G18/3206) (according to #C8Ga).

C-Sets statement: #C8Gc

- In group C08G18/67 - C08G18/679, excluding C08G18/6705, the preparation of polymers containing ionic or ionogenic groups from unsaturated compounds is classified in the form of C-Sets.
- In #C8Gc, the base symbol, representing the unsaturated compound is taken from the groups C08G18/67 - C08G18/679, excluding C08G18/6705, whereas the subsequent symbol representing the backbone is taken from the groups C08G18/0804 - C08G18/0833.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.
- The order of symbols in these C-Sets is relevant.

C-Sets examples:

#C8Gc: The addition of hydroxyethyl acrylate (C08G18/672) onto an isocyanate functional compound based on dimethylol propionic acid (C08G18/348) is classified as (C08G18/672, C08G18/0823). Also allocate dimethylol propionic acid (C08G18/348) as a single symbol.

#C8Gc and #C8Gd: The addition of hydroxyethyl acrylate (C08G18/672) onto an isocyanate prepolymer based on a mixture of polyethylene glycol and dimethylol propionic acid (C08G18/6692) is classified as (C08G18/672, C08G18/0823) according to #C8Gc and (C08G18/672, C08G18/6692) according to #C8Gd. Also

DATE: FEBRUARY 1, 2020

PROJECT MP0450

allocate polyethylene glycol (C08G18/4833) and dimethylol propionic acid (C08G18/348) as single symbols.

C-Sets statement: #C8Gd

- In group C08G18/671 - C08G18/672 the reaction of an unsaturated compound having active hydrogen(s) with a prepolymer; which is obtained from a high molecular weight compound; is classified in the form of C-Sets.
- In #C8Gd, the base symbol, representing the unsaturated compound is taken from the groups C08G18/671 - C08G18/672, whereas the subsequent symbol representing the backbone of the high molecular weight compound is taken from the groups C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65 - C08G18/6696, C08G18/6705 and C08G18/6795 - C08G18/698.
- When the high molecular weight compounds used to make the isocyanate-functional or isothiocyanate-functional prepolymer are taken in the range C08G18/40 - C08G18/64, the groups C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64 are thus used in the C-Sets as subsequent symbols and as well as with the appropriate corresponding subgroup as a separate single symbol.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.
- The order of symbols in these C-Sets is relevant.

C-Sets examples:

#C8Gd: The addition of hydroxyethyl methacrylate (C08G18/672) onto an isocyanate-terminated polyethylene glycol (C08G18/4833) is classified as (C08G18/672, C08G18/48) and C08G18/4833.

C-Sets statement: #C8Ge

- In group C08G18/81 - C08G18/8191, the preparation of unsaturated polymers containing ionic or ionogenic groups is classified in the form of C-Sets.
- In #C8Ge, the base symbol is taken from the group C08G18/81 - C08G18/8191, whereas the subsequent symbol is taken from the groups C08G18/0804 - C08G18/0833.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.

DATE: FEBRUARY 1, 2020

PROJECT MP0450

- The order of symbols in these C-Sets is relevant.

C-Sets examples:

#C8Ge: The addition of isocyanatoethyl methacrylate (C08G18/8116) to dimethylol propionic acid is classified as (C08G18/8116, C08G18/0823) according to #C8Ge. Also allocate dimethylol propionic acid (C08G18/348) as a single symbol.

#C8Ge and #C8Gf: The addition of isocyanatoethyl methacrylate (C08G18/8116) to a mixture of polyethylene glycol and dimethylol propionic acid is classified as (C08G18/8116, C08G18/0823) according to #C8Ge and (C08G18/8116, C08G18/6692) according to #C8Gf. Also allocate polyethylene glycol (C08G18/4833) and dimethylol propionic acid (C08G18/348) as single symbols.

C-Sets statement: #C8Gf

- In groups C08G18/8158 - C08G18/8175, a process involving the reaction step of an unsaturated isocyanate-terminated compound with a high molecular weight compound having active hydrogens is classified in the form of C-Sets.
- In #C8Gf, the base symbol, representing the unsaturated isocyanate compound is taken from the groups C08G18/8158 - C08G18/8175, whereas the subsequent symbol representing the backbone of the polymer is taken from the groups C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64, C08G18/65 - C08G18/6696, C08G18/6705 and C08G18/6795 - C08G18/698.
- When the prepolymer compounds are taken in the range C08G18/40 - C08G18/64, the groups C08G18/40, C08G18/42, C08G18/44, C08G18/46, C08G18/48, C08G18/50, C08G18/52, C08G18/54, C08G18/56, C08G18/58, C08G18/60, C08G18/61, C08G18/62, C08G18/63, C08G18/64 are thus used in the C-Sets as subsequent symbols and as well as with the appropriate corresponding subgroup as a separate single symbol.

C-Sets syntax rules:

- Each C-Set shall contain exactly two symbols.
- Duplicate symbols are not allowed in these C-Sets.
- The order of symbols in these C-Sets is relevant.

C-Sets examples:

#C8Gf: The addition of isocyanatoethyl methacrylate (C08G18/8116) onto polyethylene glycol (C08G18/4833) is classified as (C08G18/8116, C08G18/48) and C08G18/4833.

DATE: FEBRUARY 1, 2020

PROJECT MP0450

C-Sets searches:

C-Sets search queries may be made according to C-Sets classification rules described in C08G18/00.

Synonyms and Keywords

Insert: The following preamble into the Synonyms and Keywords section.

In patent documents, the following abbreviations are often used:

Replace: Three existing rows in the Synonyms and Keywords section with their updated versions shown below.

EO	Ethylene oxide
TMXDI	Tetramethylxylylene diisocyanate
TPU	Thermoplastic polyurethane

C08G 18/10

Definition statement

Insert: A period at the end of the existing Definition statement.

References

Delete: The existing Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Isocyanates or isothiocyanates reacted with low molecular weight active hydrogen compounds ; Masked polyisocyanates	C08G18/80
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Special rules of classification

Replace: The existing text of the Special rules of classification section with the following new text.

C-Sets classification

In C08G18/10 and C08G18/12, C-Sets (e.g. #C8Ga, #C8Gb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the “Special rules of classification” in C08G18/00.

C-Sets searches:

C-Sets search queries may be made according to C-Sets classification rules described in C08G18/00.

C08G 18/67

Definition statement

Insert: A period at the end of the existing Definition statement.

Special rules of classification

Replace: The existing text of the Special rules of classification section with the following new text.

C-Sets classification:

In C08G18/67 - C08G18/679 and C08G18/671 - C08G18/672, C-Sets (e.g. #C8Gc, #C8Gd) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C08G18/00.

C-Sets searches:

C-Sets search queries may be made according to C-Sets classification rules described in C08G18/00.