COMMISSION EUROPÉENNE
DIRECTION GENERALE ENTREPRISES et INDUSTRIE

Croissance durable et UE 2020
Politique industrielle et construction durables

Bruxelles, le 10 décembre 2012
M/112 Amendement 1 FR

MODIFICATION DU

MANDAT CONFIÉ AU CEN/CENELEC POUR LA RÉALISATION DE TRAVAUX DE NORMALISATION VISANT À ÉTABLIR DES NORMES HARMONISÉES POUR DES PRODUITS DE BOIS DE CHARPENTE ET PRODUITS COMPLÉMENTAIRES (M/112)

NOTE EXPLICATIVE

La directive sur les produits de construction (directive 89/106/CEE, ci-après «DPC») énonce six exigences essentielles auxquelles doivent satisfaire les bâtiments et les ouvrages du génie civil et qui sont concrétisées en critères de performance pour les produits de construction. Dans le mandat et le programme de travail initiaux, ces aspects n'ont été que partiellement pris en compte, en raison, principalement, de l'insuffisance des informations disponibles concernant les exigences existantes et/ou des instruments techniques à harmoniser via les normes européennes.

Il se peut que des produits de construction émettent ou contiennent des substances qui ont été définies comme «substances dangereuses» en vertu de directives européennes et de réglementations nationales. Si les émissions de ces produits (ou leur teneur en substances dangereuses si elle présente une utilité pour le calcul des émissions) ne doivent pas dépasser les éventuelles valeurs limites fixées au niveau européen et/ou national (en cas de commercialisation), les fabricants et les autorités ont néanmoins besoin de mécanismes transparents et compréhensibles pour établir les déclarations de performance des produits à cet égard, afin d'en déterminer la conformité aux exigences réglementaires. Il est donc nécessaire d'établir des normes harmonisées pour les déclarations relatives au dégagement potentiel de substances dangereuses par les produits de construction. Les méthodes d'essai à l'appui de cette déclaration seront fournies par le comité technique 351 du CEN, conformément aux exigences du mandat M 366 attribué par la Commission.

Les comités techniques du CEN doivent tenir compte des versions actuelles des directives de l'UE et des réglementations nationales notifiées.

Les exigences réglementaires dont il convient de tenir compte figurent dans:

– la base de données de la Commission sur les substances dangereuses[1];

[1] http://ec.europa.eu/enterprise/construction/cpd-ds/

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– la liste indicative concernant l'air intérieur/les sols et les eaux (souterraines) (DS 051);

– les annexes I, II et III de la modification du mandat M/112

Afin de faciliter les travaux des comités techniques du CEN en charge des produits, les annexes I et II ci jointes dressent l'inventaire des substances/matières considérées, lors de la première phase, comme les plus pertinentes[2] pour les produits couverts par le mandat M/112. Il appartient aux comités techniques en charge des produits de sélectionner l'approche la plus efficace pour identifier les substances dangereuses réglementées et pertinentes au regard des produits concernés[3].

La charge financière et technique des essais pourrait toutefois être évitée dans bien des cas en intégrant une définition claire de chaque produit et/ou de son usage prévu dans la norme correspondante. Cela pourrait permettre aux fabricants et aux autorités d'éviter d'avoir à procéder à des essais ou de concentrer les essais sur un nombre limité de substances/composants/matières pertinent(e)s, ainsi que d'en exclure certain(e)s autres de leurs programmes d'essais[4].

OBJECTIF

L'objectif du présent mandat est d'inviter le CEN à modifier les normes harmonisées existantes (ou en cours d'élaboration)[5] afin qu'elles couvrent les exigences essentielles relatives aux substances dangereuses, de sorte à permettre la commercialisation sur les marchés nationaux des produits de construction portant le marquage CE sans qu'ils aient à satisfaire à des exigences nationales supplémentaires.

Remarque: Il convient de souligner que cet exercice ne doit pas faire double emploi avec les travaux en cours au sein du comité technique 351 et leurs liens avec les comités techniques en charge des produits. Toutefois, afin d'éviter tout malentendu et toute complication susceptibles de retarder la publication des normes harmonisées et/ou l'utilisation du marquage CE, il y a lieu de

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[2] L'utilisation des termes «les plus pertinentes» pour qualifier les substances/matières figurant dans l'inventaire ainsi que dans la sélection et la réponse de chaque comité technique de produits, souligne l'importance d'une *approche rapide et pragmatique* en deux étapes pour la première génération de normes de produit couvrant l'exigence essentielle n° 3. L'inventaire, ainsi que la sélection et la réponse des comités techniques de produits du CEN, sont en effet centrés sur les substances/matières:

les plus susceptibles d'être présentes dans un produit ou d'être émises par des produits;

qui ont été identifiées par les régulateurs comme présentant un risque pour la santé et l'environnement.

Afin d'éviter de retarder inutilement les travaux de normalisation en cherchant à couvrir des risques moins probables ou moins dangereux dans la première génération de normes, celle-ci est censée couvrir la *majorité* des risques et des substances/matières, tout en permettant des adaptations lors des révisions quinquennales ultérieures des normes de produit.

[3] Il incombe toutefois au fabricant, ou à son mandataire établi dans l'Union européenne, d'attester que les produits sont conformes aux exigences d'une spécification technique. (article 13 de la DPC).

[4] Il résulte de cette approche que les substances énumérées dans un mandat n'ont pas à toutes faire l'objet d'essais. Certaines substances peuvent en être exclues moyennant une description (par exemple, «la substance xy n'est pas utilisée à des concentrations supérieures à 0,1 % m/m»).

[5] Étant donné que seules les normes déjà publiées ont pu être utilisées par la Commission dans l'annexe I afin d'identifier les dispositions réglementaires en vigueur et les substances dangereuses, il appartient toujours aux comités techniques chargés des produits d'utiliser ces informations pour leurs travaux sur les normes en cours d'élaboration et, en cas de doute, de demander des éclaircissements à la Commission.

faciliter et de renforcer le dialogue entre les rédacteurs de spécifications et la Commission/les régulateurs/les experts.

DESCRIPTION DES TRAVAUX FAISANT L'OBJET DU MANDAT

L'annexe ci-jointe fournit un aperçu des exigences réglementaires nationales notifiées que plusieurs membres du groupe d'experts de la Commission sur les substances dangereuses ont mises en relation avec les produits couverts par le mandat M/112.

Le CEN doit évaluer cette liste et en tenir pleinement compte pour décrire et justifier sa sélection de substances et la pertinence de celles-ci dans son programme de travail, en particulier pour ce qui est de savoir:

- si de telles substances sont susceptibles d'être présentes dans les produits couverts par le mandat M/112 et par toutes les normes de produit harmonisées existantes ou en cours d'élaboration;

- si de telles substances sont susceptibles de se dégager des produits précités et si ces émissions sont proches des valeurs limites fixées par les réglementations mentionnées dans le présent document[6];

- si des données sont disponibles, notamment lorsque les produits précités ont été soumis, par le passé, à des essais par des autorités/organismes nationaux en ce qui concerne leur contenu ou l'émission de telles substances[7];

Remarque: le programme de travail du comité technique de produits servira de base à une nouvelle discussion, au sein du groupe d'experts sur les substances dangereuses, entre la Commission, les experts nationaux et les experts du comité technique chargé des produits et du comité technique 351.

Dans les normes de produit harmonisées existantes ou en cours d'élaboration, le CEN doit fournir:

- des définitions claires et transparentes des produits[8], qui rendront obsolètes les exigences supplémentaires en matière d'essais visant à détecter les éventuelles substances dangereuses, et/ou

- un ensemble d'exigences claires et transparentes applicables aux produits (à savoir, l'usage qu'il est prévu d'en faire), prévoyant les méthodes d'essai et/ou de vérification correspondantes et les

[6] La possibilité de ne pas soumettre aux essais des produits, composants ou substances sera abordée de manière détaillée dans un autre document décrivant un système de définition des produits «sans essais» ou «sans essais complémentaires».

[7] Si les produits n'ont pas fait l'objet d'essais visant à détecter les substances dangereuses (ou si certaines des substances mentionnées dans le présent document n'ont pas été évaluées dans le passé), il sera utile d'évaluer la priorité qui leur est accordée par les régulateurs ou l'insuffisance des instruments techniques disponibles aux fins de l'évaluation, sachant que cela ne veut pas nécessairement dire que les autorités des États membres ne peuvent pas insister sur ces exigences spécifiques au cours de l'élaboration d'une norme ou même après sa finalisation. Le comité technique doit donc procéder à un examen minutieux de chaque substance et, en cas de doute, demander des éclaircissements à la Commission. .

[8] Si nécessaire, en ce qui concerne les matériaux, les composants, les adjuvants, etc.

règles régissant la déclaration de performance, qui sera repris dans les normes applicables aux familles ou sous-familles de produits correspondantes.

EXECUTION DU MANDAT

Les normes élaborées dans le cadre du présent mandat modifié devront être remises au plus tard douze mois après l'adoption des spécifications techniques élaborées dans le cadre du mandat M/366.

Après adoption formelle du mandat, le CEN présentera à la Commission, dans un délai de six mois, une proposition de programme de travail détaillée. Vu le champ d'application du présent mandat, ce programme de travail comprendra:

- une sélection et une description claire des substances/matières considérées comme (exigence essentielle n° 3) pertinentes pour les produits couverts par le mandat M/106 parmi celles qui figurent aux annexes du présent mandat, ou les raisons justifiant l'exclusion de certaines de ces substances/matières des travaux de normalisation du comité technique en charge des produits concernés;

- la liste de toutes les normes de produit considérées comme nécessitant l'ajout de catégories de déclarations concernant la teneur en substances dangereuses réglementées ou le dégagement potentiel de telles substances, afin de permettre le respect des exigences réglementaires;

- le calendrier d'élaboration et de publication de chaque norme modifiée; si les substances dangereuses réglementées ne peuvent pas toutes être traitées dans le cadre d'une même phase/génération, il conviendra d'expliquer comment et quand les autres substances seront traitées, ainsi que les mesures restant à prendre.

Remarque: compte tenu des exigences réglementaires (concernant, par exemple, la teneur des produits de construction en substances interdites ou soumises à restriction), des normes d'essai/de mesure de teneur[9] *peuvent également être envisagées.*

La teneur peut également faire office de méthode de dépistage dans le cadre du contrôle de la production en usine ou d'un scénario «sans essais complémentaires».

Après examen du programme du travail et après consultation du CEN, la Commission approuvera le calendrier et la liste des normes ou parties de normes d'essai/de mesure qui répondent aux conditions du présent mandat.

La portée du présent mandat peut, le cas échéant, être modifiée ou complétée, après consultation du comité «Normes et règles techniques». En particulier, dès lors que la Commission aura approuvé le programme de travail, l'annexe sera mise à jour afin de tenir compte des parties correspondantes du programme de travail approuvé.

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[9] Les substances contenues dans un produit/matériau sont à prendre en considération en vertu de réglementations autres que la DPC. La caractéristique à prendre en compte peut donc, comme indiqué dans le document d'orientation H, être la teneur du produit de construction en substances dangereuses, lorsqu'il s'agit de la seule solution possible ou légale (en cas d'utilisation de déchets, par exemple). Bien que la DPC porte, en particulier, sur le dégagement de substances dangereuses, les méthodes de mesure basées sur la teneur peuvent s'avérer utiles pour ce qui est, par exemple, des matières entrantes (toutes matières utilisées dans le processus de production, traitées ou non, qu'il s'agisse de matières premières ou de matières résultant d'une utilisation/production antérieure).

La Commission[10] peut participer aux travaux de normalisation à titre d'observateur et a le droit de recevoir tous les documents pertinents.

Le CEN informera immédiatement la Commission de tout problème rencontré par ses comités techniques dans le cadre de l'exécution du mandat.

Le CEN/CENELEC tiendra la Commission informée de l'état d'avancement des travaux à l'occasion d'une réunion d'évaluation annuelle.

L'acceptation formelle du présent mandat par le CEN déclenchera la procédure de statu quo visée à l'article 7 de la directive 98/34/CE du Parlement européen et du Conseil du 22 juin 1998.

Le CEN présentera les projets finaux de normes de produit européennes harmonisées à la Commission au plus tard à la date limite fixée d'un commun accord entre le CEN et la Commission, afin que celle-ci en confirme la conformité au présent mandat.

Le texte des normes européennes sera mis à la disposition de la Commission dans les trois langues de travail du CEN (anglais, français et allemand).

Le CEN communiquera l'intitulé des normes dans toutes les langues officielles de l'Union européenne.

ORGANISATIONS A ASSOCIER

Selon le cas, le CEN invitera les représentants d'associations ou organisations de protection des intérêts des consommateurs (ANEC), de protection de l'environnement (ECOS), de travailleurs (ETUI), et de petites et moyennes entreprises (NORMAPME) à participer au travail de normalisation.

10 Éventuellement assistée de son groupe d'experts sur les substances dangereuses réglementées.

Annex I

Pour un avenant au Mandat M/112 aux exigences sur les ER3, décembre 2011.

Il s'agit d'une liste générale de réglementation notifiée qui peut se référer aux substances dangereuses et ER3 mais qui traite également d'autres questions.

TCs doit vérifier celles-ci et établir quelles réglementations et quelles substances ou propriétés sont appropriées à cette tâche spécifique et les inclure dans ses normes.

De plus, dans la liste de réglementations ci-dessous, les différents types de verre ne correspondent pas toujours aux définitions des normes de produit standard : TCs doit donc prendre les mesures en conséquence.

PRODUITS DE BOIS DE CHARPENTE ET PRODUITS COMPLÉMENTAIRES					
Normes publiées au Journal officiel de l'Union européenne					
Numéro **EN**	**Intitulé de la norme**	**ER 3 requirements**[11]	**Indoor use**	**Outdoor use**	**Réglementations ******
EN 14374	Timber structures - Structural laminated veneer lumber - Requirements	Formaldehyde PCP	X		• 2006/664/D Amendments to Building Regulation List A, Parts 1 to 3, Building Regulation List B, Part 1 and List C for the 2007/1 edition;[12] • Ordinance of the Minister of Health and Social Welfare of 12 March 1996*(PL) • Pentachlorophenol Decree (Consumer

[11] Other substances of potential relevance: see annex II

[12] EN 14374 is cited on page 156 with a reference to Annex 1/3.5 (which can be found on page 171) criteria according to 2009/167/D

					Goods Act) 97/0144/NL • Chipboard Decree (Consumer Goods Act) 1985/0078/NL
EN 14545	Timber structures - Connectors - Requirements	No specific requirements identified****			
EN 14592	Timber structures - Dowel-type fasteners - Requirements	No specific requirements identified****			
EN 14229	Structural timber - Wood Poles for overhead lines	PCP Naphtalene oils; Acenaphthene fraction; Anthracene, Anthracene oil,; Benz(a)anthracene; Benzo(a)pyrene, Benzo[ghi]perylene; Benzo[k]fluoranthene; Chrysene; Fluoranthene; Indeno[1,2,3-cd]pyrene; Phenantrene; Polycyclic Aromatic Hydrocarbons (PAH); Coal tar destillates; Creosote; Creosote oil; Phenols;		x	• Pentachlorophenol Decree (Consumer Goods Act) 97/0144/NL • PAH-containing Coatings and Products Decree (Environmental Protection Act) 1995/62/NL • Ordinance of the Minister of Health and Social Welfare* of 12 March 1996*(PL) o Note: Only specific substances can be used for overhead lines (annex I Dir 98/8/EC)

EN 14080	Timber structures - Glued laminated timber - Requirements	Formaldehyde For all products treated with wood preservatives and / or flame retardants: emission of VOC (single substances, TVOC, SVOC and carcinogens) and declaration of use of carcinogenic and mutagenic substances (classes 1A and 1B) Naphtalene oils; Acenaphthene fraction; Anthracene, Anthracene oil,; Benz(a)anthracene; Benzo(a)pyrene, Benzo[ghi]perylene; Benzo[k]fluoranthene; Chrysene; Fluoranthene; Indeno[1,2,3-cd]pyrene; Phenantrene; Polycyclic Aromatic Hydrocarbons (PAH); Coal tar destillates; Creosote; Creosote oil; Phenols;PCP	x		• 2006/664/D Amendments to Building Regulation List A, Parts 1 to 3, Building Regulation List B, Part 1[13] and List C for the 2007/1 edition; • Pentachlorophenol Decree (Consumer Goods Act) 97/0144/NL • PAH-containing Coatings and Products Decree (Environmental Protection Act) 1995/62/NL • Ordinance of the Minister of Health and Social Welfare of 12 March 1996*(PL)
EN 14081-1	Timber structures - Strength graded structural timber with rectangular cross section - Part 1: General requirements with rectangular cross section	For all products treated with wood preservatives: declaration of treatment and substance name; for indoor use: emission of VOC (single substances, TVOC, SVOC and carcinogens) and declaration of use of carcinogenic and mutagenic substances (classes 1A and 1B) for outdoor use: wood preservatives Naphtalene oils; Acenaphthene fraction; Anthracene, Anthracene oil,; Benz(a)anthracene; Benzo(a)pyrene, Benzo[ghi]perylene; Benzo[k]fluoranthene;	x	x	• 2007/186/D Amendments to Building Regulation List A, Parts 1 to 3, Building Regulation List B, Parts 1 and 2 and List C for the 2007/2 edition[14] • Pentachlorophenol Decree (Consumer Goods Act) 97/0144/NL • PAH-containing Coatings and Products Decree (Environmental Protection Act) 1995/62/NL • Ordinance of the Minister of Health and Social Welfare of 12 March 1996**(PL)

[13] EN 14080 is cited on page 155 of the pdf (last line) with a reference to Anlage 1/3.6 (which can be found on page 171 of the pdf). criteria according to 2009/167/D

[14] EN 14081-1 is cited on page 21 of the pdf with a reference to Anlage 1/3.8 criteria according to 2009/167/D

		Chrysene; Fluoranthene; Indeno[1,2,3-cd]pyrene; Phenantrene; Polycyclic Aromatic Hydrocarbons (PAH); Coal tar destillates; Creosote; Creosote oil; Phenols;PCP			
EN 14250	Timber structures - Product requirements for prefabricated structural members assembled with punched metal plate fasteners	For all products treated with wood preservatives and/or flame retardants: declaration of treatment and substance name; emission of VOC (single substances, TVOC, SVOC and carcinogens) and declaration of use of carcinogenic and mutagenic substances (classes 1A and 1B)[15] Naphtalene oils; Acenaphthene fraction; Anthracene, Anthracene oil,; Benz(a)anthracene; Benzo(a)pyrene, Benzo[ghi]perylene; Benzo[k]fluoranthene; Chrysene; Fluoranthene; Indeno[1,2,3-cd]pyrene; Phenantrene; Polycyclic Aromatic Hydrocarbons (PAH); Coal tar destillates; Creosote; Creosote oil; Phenols;PCP	x		• 2006/525/D Amendments to Building Regulation List A, Parts 1 to 3, Building Regulation List B, Parts 1 and 2 and List C for the 2006/2 edition;[16] • Pentachlorophenol Decree (Consumer Goods Act) 97/0144/NL • PAH-containing Coatings and Products Decree (Environmental Protection Act) 1995/62/NL • Ordinance of the Minister of Health and Social Welfare of 12 March 1996**(PL)

** Ordinance of the Minister of Health and Social Welfare of 12 March 1996 on the permitted concentrations and intensities of agents harmful for health emitted by construction materials, facilities and components of furniture in rooms intended for human residence.

[15] For untreated products a declaration is required (e.g. no treatment – or similar)

[16] EN 14250 is cited on page 20 with a reference to Anlage 1/3.2 (which can be found on page 23) criteria according to 2009/167/D

**** Product TCs should beware of many regulations that include general requirements on dangerous substances, not mentioned in annex I because they are amply met by these products and because they do not require product performance declaration. Therefore, such regulations are not included in this table but can be found in annex II.

ANNEX II

Brussels, 9 March 2012
DS 041/051rev.12

INDICATIVE LIST OF REGULATED DANGEROUS SUBSTANCES POSSIBLY ASSOCIATED WITH CONSTRUCTION PRODUCTS UNDER THE CPD

1. BACKGROUND/PURPOSE OF THIS LIST

Construction products could emit or contain substances that have been defined as "dangerous substances" under Commission Directives and national regulations. While the **emission** (**or the content** – whenever this is the most practicable solution or required by regulations) of any such substances **from construction products (or in construction products)** must be below all relevant European and national threshold values, manufacturers and authorities profit from a transparent performance information in the CE marking of the product.

With this document the Commission and its Expert Group on Dangerous Substances in the field of Construction Products (EGDS) provide guidance as foreseen in Mandate M/366 for CEN TC 351 and all product TCs and EOTA WGs in the construction sector concerning substances and parameters, which CEN TC 351 **should focus on, when assessing the availability of test methods and the need for developing harmonised test methods**. This updated document substitutes the previous publicly available version of the indicative list (**DS 041/051 rev.9) of 29th May 2009.**

The list is based on the database on legislation on dangerous substances relevant for construction products developed by the Commission in cooperation with Member States. This database (available at: http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm) should also be used by CEN TC 351, the product TCs and EOTA WGs. Also the TRIS database on national technical regulations (http://ec.europa.eu/enterprise/tris/index_en.htm) and the EUR-LEX database on European Union law (http://eur-lex.europa.eu/en/index.htm) as well as the list of derogations from EU chemical legislation by the Member states (http://ec.europa.eu/enterprise/sectors/chemicals/documents/specific-chemicals/derogations/index_en.htm) have been consulted when preparing this list, because the cpd-ds database does not yet contain information from all Member states.

On the EU level, in particular the following regulations and directives from the fields of chemical and environmental policy have direct interfaces with construction products and have to be taken into consideration when drafting standards for test methods and / or for construction products:

– REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation,

Authorisation and Restriction of Chemicals (**REACH**), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC[17]

- COMMISSION REGULATION (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards **Annex XVII**

- Commission Regulation (EU) No 276/2010 of 31 March 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards **Annex XVII** (dichloromethane, lamp oils and grill lighter fluids and organostannic compounds)

- Commission Regulation (EU) No 366/2011 of 14 April 2011 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards **Annex XVII** (Acrylamide)

- Commission Regulation (EU) No 494/2011 of 20 May 2011 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards **Annex XVII** (Cadmium)

– REGULATION (EC) No 850/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 April 2004 on **persistent organic pollutants** and amending Directive 79/117/EEC

- COMMISSION REGULATION (EU) No 757/2010 of 24 August 2010 amending Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants as regards **Annexes I and III**

– REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on **classification, labelling and packaging** of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006[18]

[17] The REACH-Regulation includes restrictions for substances (Annex XVII), authorisation duties for substances (Annex XIV) and communication duties for substances, substances in mixtures (Art. 31) and articles (Art. 33). The last mentioned include the following obligations: EU or EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) **have to provide** sufficient **information,** available to them, **to their customers** or **upon requests, to a consumer within 45 days of the receipt of the request.** This information must ensure safe use of the article and as minimum contain the name of the substance.

[18] The new rules for classification and labelling substituting the former classifications under Directive 67/548/EEC and 1999/45/EC apply in respect of substances from 1 December 2010 and in respect of mixtures from 1 June 2015.

– The Consolidated list of existing active substances for which a decision of non-inclusion into Annex I or IA of Directive 98/8/EC of the European Parliament and of the Council on the placing on the market of **biocidal products** has been adopted and which may no longer be placed on the market [19]

– Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a **framework for Community action in the field of water policy**

  - DIRECTIVE 2008/105/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on **environmental quality standards** in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council

  - Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006 on the **protection of groundwater** against pollution and deterioration

– Council Directive 80/68/EEC of 17 December 1979 on the **protection of groundwater** against pollution by certain dangerous substances[20]

– Directive 2004/42/EC of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC

Note. The indicative list is intended to be used as a reference and guidance document by standard developers. Not all substances on the list have to be tested by the producer nor has CEN to develop new test methods for every substance or parameter. Firstly, test methods for a large number of substances/materials already exist and have only to be harmonised. Secondly, substances can be arranged in groups and analysed using the same method. Substances not used may be closed out in the product description or in a substance declaration.

2. SELECTION OF SUBSTANCES: GUIDANCE FROM THE EXPERT GROUP

The main focus of current work on dangerous substances in CEN/TC 351 is the finalisation and validation of test methods for the different release scenarios. The substances to be taken into account in product standards are / will be specified in amendments of product mandates.

The attached lists are based on the Mandate M/366, on European Regulations (see above) and related national legislation. Further substances may be added after the database

[19] The Consolidated list includes the Commission Decisions: Commission Decision 2007/565/EC of 14 August 2007, Commission Decision 2007/598/EC of 27 August 2007, Commission Decision 2008/681/EC of 28 July 2008, Commission Decision 2008/809/EC of 14 October 2008, Commission Decision 2009/322/EC of 8 April 2008, Commission Decision 2009/324/EC of 14 April 2009, Commission Decision 2010/72/EU of 8 February 2010, Commission Decision 2010/71/EU of 8 February 2010 and may be updated, if needed.

[20] repealed by the Directive 2006/118/EC with effect from 22 December 2013

"Legislation on substances in construction products" has received contributions of further member states. The attached lists should be considered as an updated orientation for the work of CEN/TC 351. The lists are open and can be updated again if needed.

The lists presented here are based on the assumption of a specified quality of raw materials and specified product formulations, or on 'good housekeeping'. The listed substances / parameters were chosen because they:

- are regulated on EU or national level (scope includes mandated construction products)
- are used for manufacturing construction products (included in raw materials)
- could be emitted or released from construction products into indoor air
- could be released from construction products into soil, surface water and ground water
- are used in regulations to characterise products or their environmental impact

The indicative list is subdivided into the following subchapters:

Annex A: List A "Soil and water"

A-1. Regulated dangerous substances in main pollutant categories of Directive 2000/60/EC (Water Framework Directive)

A-2. Further regulated substances and parameters

A-3. Other substances deemed relevant

Annex B: List B "Indoor air"

B-1. Regulated dangerous substances and further associated parameters: overview

B-2. Regulated volatile organic compounds (VVOC, VOC, SVOC)

B-3. Carcinogenic VOC

Annex C: List of consulted notifications and national derogations from Community Law confirmed by Commission Decisions

In development of product standards, ETAGs and CUAPs and test methods, the EU and national regulations are the basic reference. Information on construction products and substances / components / materials related to regulations is available in (in descending order of priority):

- The amended product mandate including detailed guidance on dangerous substances (as soon as available)
- The Commission's database on dangerous substances (providing information on European and national regulations of dangerous substances in or emitting from construction products at: http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm)
- Mandate M/366

- The attached list for soil, surface water and groundwater (List A) and for indoor air (List B)

3. USE OF THE INDICATIVE LIST

CEN is encouraged to use the attached list and further support from the Expert Group to provide the methods necessary for the implementation of ER3 in technical specifications. The methods should be suitable to support the already issued and forthcoming amendments of product mandates on dangerous substances. The construction product TCs and EOTA WGs are asked to co-operate with CEN/TC 351 in order to provide for the test methods needed for dangerous substances in the future.

In the first two columns of the following tables chemicals are described as groups and single substances respectively. For single substances the corresponding CAS Number is mentioned in the third column. The last column is reserved for regulatory observations (regulatory classifications and references to European or national provisions). The harmonised classifications have been derived from Annex VI, Table 3.1, of REGULATION (EC) No 1272/2008. For the meaning of the classifications given in this column Parts 2 to 5 of Annex I of REGULATION (EC) No 1272/2008 may be consulted. The user should note that the classifications are regularly adapted to technical and scientific progress and that the classification given in this list refers to the harmonised classifications issued until March 2011. The available classifications may be consulted at: http://ecb.jrc.ec.europa.eu/classification-labelling/clp/ (search function and download possibility). ECHA provides information on classifications at: http://echa.europa.eu/clp/c_l_inventory_en.asp. In the ECHA database also the non-harmonised classifications by manufacturers, for which only a few examples are included in the following tables, can be consulted.

CEN/TC 351 is asked to identify, if test methods[21] for the listed substances and parameters are available, and make recommendations for the choice of appropriate methods to be used in hEN, ETAGs and CUAPs.

[21] The term "test methods" refers to the whole assessment scheme of specific construction products. Therefore, it should include:

- sampling plan, sampling and transport and storage of a construction product (see mandate M/366, annex 2 on sampling),
- test portion or test specimen preparation,
- digestion/extraction, leaching or emission procedure
- analysis on the regulated dangerous substances concentration
- overall measurement/test report (see mandate M366)

ANNEX A

List A "Soil/Water"

This annex summarizes dangerous substances (A-1) and other associated parameters (A-2) which are regulated in provisions for the protection of soil and water that address construction products. Please note that not all notified regulations can be cited for each substance (the aim is to give an overview of the substances covered by regulations and not a complete list of regulations and administrative provisions). The cited provisions sometimes refer to the release of substances (or other parameters) from construction products into soil or water, sometimes to the content of dangerous substances (or other parameters) in construction products, sometimes to both of these. Additionally European environmental quality standards for substances in surface water and groundwater have been included for information, when these are considered relevant for construction products. The cited provisions are highlighted in the tables in different colours in order to make it easy for the user to recognise the type of provision quickly. Furthermore substances of very high concern (SVHC) are also highlighted in the tables.

Explanation of used colours:

blue = regulation for content

yellow = regulation for release

purple = regulation for content and release

grey = regulation for environmental quality

green = substance recognised as "PBT" (persistent, bioaccumulative and toxic), vPvB (very persistent and very bioaccumulative) or "POP" (persistent organic pollutant)

red = substance recognised as "CMR" (carcinogenic, mutagenic or toxic for reproduction of EU categories 1A and 1B)

A-1. Regulated dangerous substances

The structure of the table follows the main pollutant groups defined in Annex VIII of DIRECTIVE 2000/60/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 October 2000 establishing a framework for Community action in the field of water policy.

Tab. A.1 Regulated dangerous substances in context of release into soil, surface water and groundwater

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
Organohalogen compounds			
Chlorobenzenes	Trichlorobenzenes	12002-48-1	Directive 2008/105/EC
	Trichlorobenzenes	87-61-6 120-82-1 108-70-3	2006-557-NL 1,2,3-trichlorobenzene: (n.c.) Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1,; Aquatic Chronic 2; Aquatic Chronic 1 1,2,4-trichlorobenzene: Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1 1,3,5-trichlorobenzene: (n.c.): Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 3
	∑ Chlorobenzenes	[108-90-7] [95-50-1] [541-73-1] [106-46-7] [87-61-6]	2006-90-D, 2006-557-NL Classification examples: - Chlorobenzene: Acute Tox. 4 *; Aquatic Chronic 2 - 1,2-dichlorobenzene: Acute Tox. 4 *; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1 - 1,3-dichlorobenzene: Acute Tox. 4 *; Aquatic Chronic 2 - 1,4-dichlorobenzene: Carc. 2; Aquatic Acute 1; Aquatic Chronic 1 - 1,2,3-trichlorobenzene: fulfilling PBT criteria
	Tetrachlorobenzenes	634-66-2 634-90-2 95-94-3	2006-557-NL… 1,2,3,4-tetrachlorobenzene, (n.c.) 1,2,3,5-tetrachlorobenzene, (n.c.) 1,2,4,5-tetrachlorobenzene (n.c.)
	Pentachlorobenzene	[608-93-5]	Regulation (EC) No. 850/2004; Directive 2008/105/EC; priority hazardous substance in the field of water policy
	Hexachlorobenzene	[118-74-1]	Regulation (EC) No. 850/2004, 2006-90-D; Directive 2008/105/EC Carc. 1B; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; fulfilling POP criteria; priority hazardous substance in the field of water policy; Evidence for endocrine disruption in living organisms
∑ Chlorinated phenols		[95-57-8] [108-43-0] [106-48-9] [120-83-2] [576-24-9] [583-78-8] [87-65-0] [95-77-2] [591-35-5] [95-95-4] [88-06-2] [15950-66-0] [933-78-8] [933-75-5]	2006-90-D, 2006-557-NL Classification examples: 2-chlorophenol: Aquatic Chronic 2 3-chlorophenol: Aquatic Chronic 2 4-chlorophenol: Acute Tox. 4 *; Aquatic Chronic 2 2,4-dichlorophenol: Acute Tox. 3 *; Aquatic Chronic 2; Evidence of potential to cause endocrine disruption 2,3-dichlorophenol: (n.c.) 2,5-dichlorophenol: (n.c.) 2,6-dichlorophenol: (n.c.) 3,4-dichlorophenol: (n.c.) 3,5-dichlorophenol: (n.c.) 2,4,5-trichlorophenol: Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1 2,4,6-trichlorophenol: Carc. 2; Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1 2,3,4-trichlorophenol: (n.c.) 2,3,5-trichlorophenol: (n.c.)

[22] Chemical Abstracts Service Registry Number

[23] The harmonised classifications were derived from Annex VI, Table 3.1, of REGULATION (EC) No 1272/2008 (see also chapter 3 in the introductory part of this document). The letters n.c. refer to self-classifications by manufacturers not included in the CLP Regulation (few examples are included). In the table A.1 the following categories are included: Acute toxicity, Carcinogenicity, Germ cell mutagenicity, Reproductive toxicity, Specific target organ toxicity, Hazardous to the aquatic environment, Hazardous to the ozone layer. The letters XX show that a classification for a substance included as part of a substance group is available already for the individual substance elsewhere on the indicative list.

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
		[609-19-18] [935-95-5] [4901-51-3] [58-90-2] [87-86-5]	2,3,6-trichlorophenol: (n.c.) 3,4,5-trichlorophenol: (n.c.) 2,3,5,6-tetrachlorophenol: Acute Tox. 3 *; Aquatic Acute 1; Aquatic Chronic 1 2,3,4,5-tetrachlorophenol, Acute Tox. 3 * , Aquatic Acute 1, Aquatic Chronic 1 2,3,4,6-tetrachlorophenol: (n.c.) Pentachlorophenol: Carc. 2; Acute Tox. 2 *; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1 (see also Pentachlorophenol under biocides)
Volatile halogenated hydrocarbons	Halogenated C1- and C2-hydrocarbons, including trihalogenated methane	[74-87-3] [74-83-9] [74-95-3] [75-34-3] [75-00-3] [106-93-4] [75-25-2]	2006-90-D - Methyl chloride: Carc. 2; STOT RE 2 * - Bromomethane: Muta. 2; Acute Tox. 3 *; STOT RE 2 *; STOT SE 3; Aquatic Acute 1; Ozone - Dibromomethane: Acute Tox. 4 *; Aquatic Chronic 3 - 1,1-dichloroethane: Acute Tox. 4 *; STOT SE 3; Aquatic Chronic 3 - Chloroethane: Carc. 2; Aquatic Chronic 3 - 1,2-dibromoethane: Carc. 1B; Acute Tox. 3 *; STOT SE 3; Aquatic Chronic 2 - Tribromomethane: Acute Tox. 3 *; Acute Tox. 4 *; Aquatic Chronic 2
	Methylene chloride	75-09-2	Directive 2008/105/EC, 2006-557-NL, 2006-90-D Carc. 2
	Ethylene dichloride	107-06-2	Directive 2008/105/EC, 2006-90-D Carc. 1B; Acute Tox. 4 *; STOT SE 3
	Chloroform	67-66-3	Directive 2008/105/EC, 2006-557-NL, 2006-90-D Carc. 2; Acute Tox. 4 *; STOT RE 2 *
	Vinyl chloride	75-01-4	2006-90-D, 2006-557-NL Carc. 1A
	1,1-dichloroethene	75-35-4	2006-557-NL 1,1-dichloroethene: Carc. 2, Acute Tox. 4 *
	1,2-dichloroethene (sum cis and trans)	156-59-2 156-60-5	2006-557-NL Cis-1,2-dichloroethene: Acute Tox. 4;*, Aquatic Chronic 3 Trans-1,2-dichloroethene: Acute Tox. 4 *, Aquatic Chronic 3
	dichloropropanes (sum)	78-99-9 78-87-5 142-28-9	2006-557-NL 1,1-dichloropropane: (n.c.) 1,2-dichloropropane: Acute Tox. 4 *; Acute Tox. 4 * 1,3-dichloropropane: (n.c.)
	trichloroethanes	71-55-6 79-00-5	2006-557-NL 1,1,1-trichloroethane: Acute Tox. 4 *, Ozone 1,1,2-trichloroethane: Carc. 2, Acute Tox. 4 *
	Other volatile halogenated hydrocarbons	79-01-6 56-23-5 127-18-4 75-25-2	2006-557-NL trichloroethene (Tri): Carc. 1B; Muta. 2; STOT SE 3; Aquatic Chronic 3 tetrachloromethane (Tetra): Carc. 2; Acute Tox. 3 *; STOT RE 1; Aquatic Chronic 3 tetrachloroethene (Per): Carc. 2, Aquatic Chronic 2; Evidence of potential to cause endocrine disruption tribromomethane (bromoform): Acute Tox. 3 * Aquatic Chronic 2
C10-13-chloroalkanes (short chained chlorinated paraffins)		85535-84-8	Directive 2008/105/EC, Commission Decision 2004/1/EC, 1999/103/NL Carc. 2; Aquatic Acute 1; Aquatic Chronic 1; fulfilling PBT criteria; priority hazardous substance in the field of water policy
C14-17-chloroalkanes (medium-chained chlorinated paraffins)		85535-85-9	2010/9018/N Lact.; Aquatic Acute 1; Aquatic Chronic 1

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
Polyhalogenated dibenzo-p-dioxins and polyhalogenated dibenzofurans		1746-01-6 40321-76-4 57653-85-7 19408-74-3 39227-28-6 35822-46-9 3268-87-9 51207-31-9 57117-41-6 57117-31-4 57117-44-9 72918-21-9 70648-26-9 60851-34-5 67562-39-4 55673-89-7 39001-02-0 50585-41-6 109333-34-8 67763-97-7 131166-92-2 110999-44-5 110999-46-7 110999-45-6 107555-93-1	Regulation (EC) No. 850/2004, 1993/141/D, 2006-557-NL 2,3,7,8-TCDD: Evidence for endocrine disruption in living organisms 1,2,3,7,8-PeCDD: Evidence for endocrine disruption in living organisms 1,2,3,6,7,8-HxCDD: (n.c.) 1,2,3,7,8,9-HxCDD: (n.c.) 1,2,3,4,7,8-HxCDD: (n.c.) 1,2,3,4,6,7,8-HpCDD: (n.c.) 1,2,3,4,6,7,8,9-OCDD: (n.c.) 2,3,7,8-TCDF: Evidence of potential to cause endocrine disruption 1,2,3,7,8-PeCDF: Evidence of potential to cause endocrine disruption 2,3,4,7,8-PeCDF: Evidence of potential to cause endocrine disruption 1,2,3,6,7,8-HxCDF: (n.c.) 1,2,3,7,8,9-HxCDF: (n.c.) 1,2,3,4,7,8-HxCDF: (n.c.) 2,3,4,6,7,8-HxCDF: (n.c.) 1,2,3,4,6,7,8-HpCDF: (n.c.) 1,2,3,4,7,8,9-HpCDF: (n.c.) 1,2,3,4,6,7,8,9-OCDF: (n.c.) 2,3,7,8-tetrabromo-dibenzo-p-dioxin: (n.c.) 1,2,3,7,8-pentabromo-dibenzo-p-dioxin: (n.c.) 2,3,7,8-tetrabromo-dibenzofuran: (n.c.) 2,3,4,7,8-pentabromo-dibenzofuran: (n.c.) 1,2,3,4,7,8-hexabromo-dibenzo-p-dioxin: (n.c.) 1,2,3,7,8,9-hexabromo-dibenzo-p-dioxin: (n.c.) 1,2,3,6,7,8-hexabromo-dibenzo-p-dioxin: (n.c.) 1,2,3,7,8-pentabromo-dibenzofuran: (n.c.)
Polychlorinated biphenyls (PCB), including coplanar polychlorinated biphenyls (PCB 81, 126, 169) and mono-ortho-substituted polychlorinated biphenyls (PCB 105, 118, 156, 157, 167, 189)		1336-36-3 7012-37-5 35065-29-3 37680-37-2 31508-00-6 35065-28-2 35065-27-1 35065-29-3 32598-13-3 70362-50-4 32598-14-4 74472-37-0 65510-44-3 57465-28-8 38380-08-4 69782-90-7 52663-72-6 32774-16-6 39635-31-9	Regulation (EC) No 850/2004, 2006-90-D, 2005-735-FIN, 2006-557-NL Regulations based e.g. on the sum of seven PCB congeners (28, 52, 101, 118, 138, 153 and 180) or on the sum of 6 PCB congeners (28, 52, 101, 138, 153, 180). STOT RE 2 *; Aquatic Acute 1; Aquatic Chronic 1; Evidence for endocrine disruption in living organisms
Other chlorinated hydrocarbons	monochloroanilines (sum)	95-51-2 108-42-9 106-47-8	2006-557-NL 95-51-2 (n.c.) 108-42-9 (n.c.) 4-chloroaniline: Carc. 1B; Acute Tox. 3*; Aquatic Acute 1, Aquatic Chronic 1
	pentachloroaniline	527-20-8	2006-557-NL pentachloroaniline (n.c.)

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
	chloronaphthalene (sum α, ß)	90-13-1 91-58-7	2006-557-NL α- chloronaphthalene (n.c.) β- chloronaphthalene (n.c.)
Partially and fully fluorinated hydrocarbons, perfluorocarbons (HFCs, FCs, PFCs)		[811-97-2] [75-37-6] [406-58-6] [431-89-0] [460-73-1]	2001-121-DK, 2002-37-A R-134a (Global warming potential 1 430), R-152a (GWP 124), R-365mfc (GWP 794), R-227ea (GWP 3 220), R-245fa (GWP 1 030)
Brominated diphenylethers	Commercial pentabromodiphenyl ether (mainly tetra- and pentabromodi-phenyl ether)	32534-81-9 5436-43-1 60348-60-9	Regulation (EC) 850/2004 Diphenylether, pentabromo derivative: STOT RE 2 *; Lact.; Aquatic Acute 1; Aquatic Chronic 1; Evidence of potential to cause endocrine disruption
	Commercial octabromodiphenyl ether (mainly hexa- and heptabromodi-phenyl ether)	68631-49-2 207122-15-4 446255-22-7 207122-16-5 32536-52-0	Regulation (EC) No 850/2004, COMMISSION REGULATION (EC) No 552/2009 Diphenylether, octabromo derivative: Repr. 1B; fulfilling PBT criteria; Evidence of potential to cause endocrine disruption
	Decabromo-diphenylether	1163-19-5	2005-9020-N Evidence of potential to cause endocrine disruption
	Brominated diphenylethers (group)	32534-81-9	Directive 2008/105/EC Priority hazardous substance in the field of water policy
	Hexabromocyclododecane (HBCDD)	3194-55-6 25637-99-4 134237-50-6 134237-51-7 134237-52-8	Commission Regulation (EU) No 143/2011
organic halides	AOX: Adsorbable organic halides		2004-71-D
	EOX: Extractable organic halides		2004-71-D, 2006-557-NL
Organophosphorus compounds			
Organophosphorus compounds as a group			Directive 2000/60/EC
Organotin Compounds			
Dibutyltin (DBT) compounds; Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds; Dioctyltin (DOT) compounds			Directive 2008/105/EC, COMMISSION REGULATION (EU) No 276/2010 Classification example for tributyltin compounds Bis(tributyltin)oxide (TBTO): Acute Tox. 3 *; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1, fulfilling PBT criteria; priority hazardous substance in the field of water policy; Evidence for endocrine
Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment			
Volatile aromatic hydrocarbons	∑ Alkylated benzenes	[71-43-2] [108-88-3] [100-41-4] [95-47-6] [108-38-3] [106-42-3]	2006-90-D, 2006-557-NL - Benzene: Carc. 1A; Muta. 1B; STOT RE 1 - Toluene: Repr. 2; STOT RE 2 * - Ethylbenzene: Acute Tox. 4 * - Xylenes: Acute Tox. 4 * - meta-xylene: Acute Tox. 4 * - para-xylene: Acute Tox. 4 *
	Benzene	71-43-2	Directive 2008/105/EC, 2006-90-D, 2006-557-NL Carc. 1A; Muta. 1B; STOT RE 1

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
	Aromatic solvents (sum, in addition to the substances listed under ∑ alkylated benzenes)		2006-557-NL
		100-42-5	styrene (XX) Evidence for endocrine disruption in living organisms
		526-73-8	1, 2, 3-trimethyl-benzene, (n.c.)
		95-63-6	1, 2, 4-trimethylbenzene, (XX)
		108-67-8	1, 3, 5-trimethylbenzene, (XX)
		611-14-3	2-ethyltoluene, (n.c.)
		620-14-4	3-ethyltoluene, (n.c.)
		622-96-8	4-ethyltoluene, (n.c.)
		98-82-8	isopropylbenzene, (XX)
		103-65-1	propylbenzene, (XX)
		123-01-3	n-dodecylbenzene (n.c.)
Epichlorohydrine		106-89-8	2006-90-D Carc. 1B; Acute Tox. 3 *
Phenols	Nonylphenols	25154-52-3	Directive 2008/105/EC, 2006-90-D Repr. 2; Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1; priority hazardous substance in the field of water policy; Evidence for endocrine disruption in living organisms
	4,4'-Isopropylidene-diphenol, Bisphenol A	80-05-7	2007-9016-N Repr. 2; STOT SE 3; Evidence for endocrine disruption in living organisms
	Phenol	108-95-2	2006-557-NL Muta. 2; Acute Tox. 3 *; Acute Tox. 3 *; STOT RE 2 *
	Phenol index as a sum parameter		2004-71-D, 2006-90-D, Water extractable phenols: COMMISSION REGULATION (EC) No 552/2009 (creosote) Classification example: Phenols (C9-11): Carc. 1B; Muta. 1B
Phthalates	Phthalates classified as toxic for reproduction		Directive 2008/105/EC, Commission Regulations (EU) Nos. 143/2011 and 125/2012, 2006-557-NL
		117-81-7	Di-iso-octyl phtalate; Bis-(2-ethylhexyl)-phthalate (DEHP): Repr. 1B; Evidence for endocrine disruption in living organisms
		84-74-2	dibutyl phthalate: Repr. 1B, Aquatic Acute 1; Evidence for endocrine disruption in living organisms
		85-68-7	butyl benzyl phthalate: Repr. 1B, Aquatic Acute 1, Aquatic Chronic 1; Evidence for endocrine disruption in living organisms
		84-69-5	di-isobutyl phthalate: Repr. 1B
	Phthalates (total, including also the single substances listed above)		2006-557-NL
		131-11-3	dimethyl phthalate (n.c.)
		84-66-2	diethyl phthalate (n.c.)
		84-75-3	dihexyl phthalate (n.c.)
Asbestos	Actinolite	77536-66-4	COMMISSION REGULATION (EC) No 552/2009. 2004-294-NL, 2004-410-NL. 2006-557-NL Carc. 1A; STOT RE 1
	Amosite	12172-73-5	
	Anthophyllite	77536-67-5	
	Chrysotile	12001-29-5	
	Crocidolite	12001-28-4	
	Tremolite	77536-68-6	
Acrylamide		79-06-1	Commission Regulation 366/2011, 1998-9024-N, 1996-PL Carc. 1B; Muta. 1B; Repr. 2; Acute Tox. 3 *; STOT RE 1
Methyloacrylamide		924-42-5	1998-9024-N
Persistent hydrocarbons and persistent and bioaccumulable organic toxic compounds			

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
Polycyclic aromatic hydrocarbons (PAH)	PAH as a group		Directive 2008/105/EC. 2006-90-D, 2004-71-D, 2006-557-NL, 2005-735-FIN, 1999-263-A. 2009-485-A, Regulation (EC) No. 850/2004 The individual substances which are considered differ in the different member states. PAH are priority hazardous substances in the field of water policy.
	Anthracene	120-12-7	Directive 2008/105/EC, 2006-90-D, 2006-557-NL fulfilling PBT & vPvB criteria
	Benzo[a]pyrene	50-32-8	Directive 2008/105/EC, 2006-90-D, 2006-557-NL, COMMISSION REGULATION (EC) No 552/2009 (creosote) Carc. 1B; Muta. 1B; Repr. 1B
	Dibenz[a,h]anthracene	53-70-3	2006-90-D Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1
	benz(a)anthracene	56-55-3	2006-557-NL Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1
	Benz(e)acephenan-thrylene	205-99-2	Directive 2008/105/EC, 2006-90-D Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1
	Benzo[k]-fluoranthene	207-08-9	Directive 2008/105/EC, 2006-90-D, 2006-557-NL Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1
	Benzo[ghi]perylene	191-24-2	Directive 2008/105/EC, 2006-90-D, 2006-557-NL
	Fluoranthene	206-44-0	Directive 2008/105/EC, 2006-90-D, 2006-557-NL
	Indeno(123-cd)pyrene	193-39-5	Directive 2008/105/EC, 2006-90-D, 2006-557-NL
	∑ Naphthalene and methylnaphthalenes		2006-90-D
	Naphthalene	91-20-3	Directive 2008/105/EC, 2006-557-NL, 2006-90-D Carc. 2; Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1
	Phenanthrene	85-01-8	2006-557-NL, 2006-90-D
	Chrysene	218-01-9	2006-557-NL, 2006-90-D Carc. 1B; Muta. 2; Aquatic Acute 1; Aquatic Chronic 1
Hydrocarbons (petroleum)			Directive 80/68/EEC (List 1), 2006-90-D, 2006-557-NL, 1999-263-A, 2009-485-A Classification example: hydrocarbons C26-55, arom-rich Carc. 1B
Cyanides			
Cyanides			Directive 80/68/EEC (List 1), Directive 2000/60/EC, 2006-557-NL, 2004-71-D, 2006-90-D Classification example for hydrogen cyanide: Acute Tox. 2 *; Aquatic Acute 1; Aquatic Chronic 1
Metals and their compounds			
Heavy metals	Chromium (VI)-compounds	(18540-29-9)	Directive, 2003/53/EC, 2004-71-D, 2006-90-D Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1
	Chromium	(7440-47-3)	Directive 80/68/EEC, 2009-485-A, 2004-71-D, 2005-735-FIN,2006-90-D, 2006-223-E, 2006-557-NL 2006-557-NL,
	Copper	(7440-50-8)	Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2009-485-A **2006-557-NL,**
	Cobalt	(7440-48-4)	Directive 80/68/EEC, 2006-557-NL, 2006-90-D **2006-557-NL,** Aquatic Chronic 4
	Molybdenum	(7439-98-7)	Directive 80/68/EEC, 2006-557-NL, 2005-735-FIN, 2006223-E, 2006-90-D 2006-557-NL,
	Selenium	(7782-49-2)	Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2006-557-NL, 2005-735-FIN, 2006223-E Acute Tox. 3 *; STOT RE 2 *; Aquatic Chronic 4
	Vanadium	(7440-62-2)	Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2006-557-NL, 2005-735-FIN, 2004-71-D

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
	Zinc	(7440-66-6)	Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2005-735-FIN, 2004-71-D, 2006-223-E 2006-557-NL, Classification example for zinc powder: *Aquatic Acute 1; Aquatic Chronic 1*
	Thallium	7440-28-0	Directive 80/68/EEC, 2006-90-D Acute Tox. 2 *; Acute Tox. 2 *; STOT RE 2 *; Aquatic Chronic 4
	Lead and its compounds	(7439-92-1)	Directive 2008/105/EC, Directive 80/68/EEC,2004-71-D, 2006223-E, 2006-557-NL, 2006-90-D, 1999-263-A, 2005-735-FIN, 2010-9016-N, 1996-PL **2006-557-NL**, Classification example for lead compounds (without CAS): Repr. 1A; Acute Tox. 4 *; STOT RE 2 *; Aquatic Acute 1; Aquatic Chronic 1
	Cadmium and its compounds	(7440-43-9)	Directive 2008/105/EC, Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2005-735-FIN, 2004-71-D, 2006223-E, Commission Regulation (EU) No. 494/2011 **2006-557-NL**, Carc. 1B; Muta. 2; Repr. 2; Acute Tox. 2 *; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; priority hazardous substance in the field of water policy
	Nickel and its compounds	(7440-02-0)	Directive 2008/105/EC, Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2005-735-FIN, 2004-71-D, 2006223-E 2006-557-NL, Carc. 2; STOT RE 1
	Mercury and its compounds	(7439-97-6)	Directive 2000/60/EC, Directive 80/68/EEC, 2006-557-NL, 2006-90-D, 2005-735-FIN, 2004-71-D, 2006223-E 2006-557-NL, *Repr. 1B; Acute Tox. 2 *; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; priority hazardous substance in the field of water policy*
	Tin	(7440-31-5)	Directive 80/68/EEC, 2006-90-D 2006-557-NL,
Semi-metals	Antimony	(7440-36-0)	Directive 80/68/EEC, 2006-90-D, 2005-735-FIN, 2006-223-E 2006-557-NL, Classification for antimony compounds (without CAS): *Acute Tox. 4 *; Acute Tox. 4 *; Aquatic Chronic 2*
	Arsenic	(7440-38-2)	Directive 80/68/EEC, 2006-223-E, 2004-71-D, 2006-557-NL, 2006-90-D, 2005-735-FIN **2006-557-NL**, Acute Tox. 3 *; Aquatic Acute 1; Aquatic Chronic 1
	Boron	(7440-42-8)	Directive 80/68/EEC, 2006-90-D
Alkaline-earth metals	Barium	(7440-39-3)	Directive 80/68/EEC, 2006-90-D, 2006-557-NL, 2005-735-FIN, 2006-223-E
Biocides			
Chlorinated biocides	Pentachlorophenol (PCP)	87-86-5	Directive 2008/105/EC, COMMISSION REGULATION (EC) No 552/2009; Commission Decisions 1994/783/EC, 1996/211/EC 1999/831/EC; 2006-557-NL; 2010-9017-N Carc. 2; Acute Tox. 2 *; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1
	Hexachlorobenzene	118-74-1	Directive 2008/105/EC, Regulation (EC) No. 850/2004, 2006-557-NL, 2006-90-D Carc. 1B; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1; fulfilling POP criteria; priority hazardous substance in the field of water policy; Evidence for endocrine disruption in living organisms
	Diuron	330-54-1	Directive 2008/105/EC Carc. 2; Acute Tox. 4 *; STOT RE 2 *; Aquatic Acute 1; Aquatic Chronic 1; Evidence of potential to cause endocrine disruption
Other biocides		Not applicable	Directive 2008/105/EC , Directive 98/8/EC, Commission Decisions 2007/565/EC, 2007/598/EC, 2008/681/EC, 2008/809/EC; 2009/322, 2009/324, 2010/72/EU, 2010/71/EU, 2010/675/EU, Regulation (EC) No. 850/2004, 2006-90-D
Pesticides			

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
Organo-chloro-pesticides	chlordane (sum)	5103-71-9 5103-74-2	2006-557-NL cis-chlordane (n.c.) Evidence for endocrine disruption in living organisms trans-chlordane (n.c.) Evidence for endocrine disruption in living organisms
	DDT (sum)	789-02-6 50-29-3	Directive 2008/105/EC, 2006-557-NL 2,4-DDT, (n.c.) 4,4-DDT: Carc. 2; Acute Tox. 3 *; STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; Evidence for endocrine disruption in living organisms
	DDE (sum)	3424-82-6 72-55-9	2006-557-NL 2,4-DDE, (n.c.) 4,4-DDE (n.c.)
	DDD (sum)	53-19-0 72-54-8	2006-557-NL 2,4-DDD, (n.c.) 4,4-DDD (n.c.)
	Cyclodien pesticides (sum)	390-00-2 60-57-1 72-20-8 465-73-6 297-78-9	Directive 2008/105/EC, 2006-557-NL aldrin: (n.c.) Evidence of potential to cause endocrine disruption dieldrin: Carc. 2, Acute Tox. 1, Acute Tox. 3 *, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; Evidence of potential to cause endocrine disruption endrin: Acute Tox. 2 *, Acute Tox. 3 *, Aquatic Acute 1, Aquatic Chronic 1; Evidence of potential to cause endocrine disruption isodrin: Acute Tox. 2 *, Acute Tox. 1, Acute Tox. 2 *, Aquatic Acute 1, Aquatic Chronic 1 2006-557-NL telodrin: Acute Tox. 1, Acute Tox. 2 *, Aquatic Acute 1
	HCHs (sum)	319-84-6 319-85-7 58-89-9 319-86-8 6108-10-7	2006-557-NL alfa-HCH (n.c.) Beta-HCH (n.c.) gamma-HCH (lindane): Acute Tox. 3 *, Acute Tox. 4 *, Acute Tox. 4 *, STOT RE 2 *, Lact., Aquatic Acute 1, Aquatic Chronic 1; Evidence for endocrine disruption in living organisms delta-HCH (n.c.) epsilon-HCH (n.c.)
	heptachlor	76-44-8	2006-557-NL Heptachlor: Carc. 2, Acute Tox. 3 *, Acute Tox. 3 *, STOT RE 2 *, Aquatic Acute 1, Aquatic Chronic 1; Evidence of potential to cause endocrine disruption
	heptachlor epoxide (sum)	280044-83-9 1024-57-03	2006-557-NL trans-heptachloroepoxide (n.c.) cis-heptachloroepoxide: Carc. 2, Acute Tox. 3 *, STOT RE 2 *, Aquatic Acute 1, Aquatic Chronic 1
		87-68-3	Directive 2008/105/EC, 2006-557-NL hexachlorobutadiene (n.c.)
other pesticides	organophosphorous compounds	86-50-0	2006-557-NL azinfos-methyl: Acute Tox. 2 *, Acute Tox. 2 *, Acute Tox. 3 *, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1
	organotin compounds (sum)	688-73-3 892-20-6	2006-557-NL tributyltin, (n.c.); Evidence for endocrine disruption in living organisms trifenyltin (n.c.); Evidence for endocrine disruption in living organisms
	chlorophenoxy acetic acid herbicides	94-74-6	2006-557-NL MCPA: Acute Tox. 4 *

Substance group	Substance or substance subgroup	CAS No[22]	Regulations / Exemplary Notifications / harmonised classifications[23]
	4-chloromethyl phenols (sum)		2006-557-NL
		59-50-7	4-chloro-3-methylphenol: Acute Tox. 4 *, Acute Tox. 4 *, Aquatic Acute 1; Evidence of potential to cause endocrine disruption
		1570-64-5	4-chloro-2-methylphenol: Acute Tox. 3 *, Aquatic Acute 1; Evidence of potential to cause endocrine disruption
	other pesticides		Directive 2008/105/EC (only atrazine), 2006-557-NL
		1912-24-9	Atrazine: STOT RE 2 *, Aquatic Acute 1, Aquatic Chronic 1; Evidence for endocrine disruption in living organisms
		63-25-2	Carbaryl: Carc. 2, Acute Tox. 4 *, Aquatic Acute 1
		1563-66-2	Carbofuran: Acute Tox. 2 *, Acute Tox. 2 *, Aquatic Acute 1, Aquatic Chronic 1
other substances			
	other substances		2006-557-NL
		108-94-1	Cyclohexanone: Acute Tox. 4 *
		110-86-1	Pyridine: Acute Tox. 4 *, Acute Tox. 4 *,
		109-99-9	Tetrahydrofuran: STOT SE 3
		110-01-0	Tetrahydrothiophene: Acute Tox. 4 *, Aquatic Chronic 3
		107-21-1	ethylene glycol: Acute Tox. 4 *
		111-46-6	diethylene glycol: Acute Tox. 4 *
		107-13-1	acrylonitrile: Carc. 1B, Acute Tox. 3 *, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2
		50-00-0	formaldehyde: Carc. 2, Acute Tox. 3 *
		67-63-0	isopropanol (2-propanol): STOT SE 3
		67-56-1	methanol: Acute Tox. 3 *, STOT SE 1
		71-36-3	butanol (1-butanol): Acute Tox. 4 *, STOT SE 3
		123-86-4	butyl acetate: STOT SE 3
		141-78-6	ethyl acetate: STOT SE 3
		1634-04-4	methyl-tert-butyl ether (MTBE): Flam. Liq. 2, Skin Irrit. 2
		78-93-3	methyl ethyl ketone: STOT SE 3

(xx) = see other places in this document; (n.c.) = not classified in the CLP Regulation

A-2. Further regulated parameters

Substances and environmental parameters regulated in the EU member states for construction products in addition to those substances / substance groups listed as main pollutants in Annex VIII of DIRECTIVE 2000/60/EC presented in table A-2.

Table A-2. Further regulated parameters in context of release into soil and/or water.

Substance group or parameter	Substance, substance subgroup, parameter details	Regulations / Exemplary Notifications
Inorganic indicator parameters		
Nitrogen	Ammonium-N	Directive 80/68/EEC, Directive 2006/118/EC, 2004-71-D.2009-485-A
	Nitrite-N	2009-485-A
Anions	Chloride	Directive 2006/118/EC, 2005-735-FIN, 2004-71-D, 2006-90-D, 2006223-E 2006-557-NL
	Bromide	2006-557-NL
	Fluoride	Dir. 80/68/EEC, 2005-735-FIN, 2004-71-D, 2006-557-NL, 2006-90-D, 2006223-E
	Sulphate	Dir. 2006/118/EC. 2005-735-FIN, 2004-71-D, 2006-557-NL, 2006-90-D, 2006-223-E, 2009-485-A
Chemical sum parameters, characterisation parameters, chemical and biological tests, radioactivity		
Organic carbon	TOC	2005-735-FIN, 2006-90-D, 2004-71-D
	DOC	2005-735-FIN, 2006-90-D, 2004-71-D
Substances which have a deleterious effect on the taste and/or odour of groundwater, and compounds liable to cause the formation of such substances in such water		Directive 80/68/EEC, 2006-90-D
pH		1999-263-A, 2009-485-A, 2004-71-D, 2006-90-D 2006-557-NL
Redox		2006-557-NL
Buffer Capacity		2006-557-NL
Electric conductivity		2004-71-D, 2009-485-A, 1999-263-A, 2006-90-D
Colour, odour, turbidity		2006-90-D
Tendency to produce foam		2006-90-D
Aerobic biodegradability		2006-90-D
Anaerobic biodegradability		2006-90-D
Ecotoxicity		2006-90-D
Radioactivity		Radiation Protection Ordinances in different member states (notified according to the EURATOM Treaty)

A-3. Other substances deemed relevant

Substances identified before the entering into force of the REACH legislation as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) according to the criteria of the Technical Guidance Document in support of Commission Regulation (EC) No 1488/94 (for further information see:

http://ecb.jrc.ec.europa.eu/esis/index.php?PGM=pbt) may be relevant for construction products.. Further evaluation will take place under the framework of the REACH Regulation. Some of the substances identified as PBT or vPvB are included on the Candidate List of Substances of Very High Concern for authorisation. All PBT and vPvB substances are potential future SVHC. For the so far existing regulations see table A-1. When SVHC are used in construction products the manufacturers are obliged to forward the information, at least the name of the substance, in their supply chain (actively) and to consumers (on request).

ANNEX B

List B "Indoor Air"

This annex gives in table B-1 an overview of the regulated substances and parameters relevant for construction products used in interiors. A detailed list of the regulated volatile organic compounds (without carcinogens) is given in table B-2 and a detailed list of the regulated volatile carcinogens in table B-3. Please note that not all notified regulations can be cited for each substance (the aim is to give an overview of the substances covered by regulations and not a complete list of regulations and administrative provisions).

B-1. Regulated dangerous substances and further associated parameters

The provisions cited in Table B-1 sometimes refer to the emissions of substances (or other parameters) from construction products into indoor air, sometimes to the content of dangerous substances (or other parameters) in construction products, sometimes to both of these. Additionally substances cited in provisions for indoor air quality in buildings have been included for information as far as these substances could be emitted from construction products. The cited provisions have been highlighted in the table in different colours to enable a quick recognition of the type of regulation. Furthermore substances of very high concern (SVHC) have been highlighted.

Explanation of used colours:

blue = regulation for content

yellow = regulation for emission

purple = regulation for content and emission

grey = regulation for indoor air quality

green = substance recognised as "PBT" (persistent, bioaccumulative and toxic), vPvB (very persistent and very bioaccumulative) or "POP" (persistent organic pollutant)

red = CMR-substances (carcinogenic mutagenic or toxic for reproduction of EU categories 1A and 1B)

Table B-1. Regulated dangerous substances and further parameters in context of emissions into indoor air

Substance group	Substance or substance subgroup	CAS No[24]	Regulations / Exemplary Notifications / Harmonised classifications
Very volatile, volatile and semi volatile organic compounds (VVOC/ VOC /SVOC)			
VVOC[25]	Formaldehyde	50-00-0	1985-26-D, 1987-125-F, 1990-A, 1996-PL, 1997/346/NL, 1998/57/NL, 2007-90-DK, 2007-372-FIN, 2008-243-S, 2008-321-GR, 2009-167-D, 2009-702-F Current classification Carc. 2; Acute Tox. 3 * Classification proposal of 28/09/2011: Acute Tox. 3; Skin Corr. 1B; Skin Irrit. 2/Eye Irrit. 2; STOT SE 3; Skin Sens. 1; STOT SE 3; Muta 2; Carc. 1A
	Acetaldehyde	75-07-0	2009-702-F, 2007-372-FIN Carc. 2; Eye Irrit. 2; STOT SE 3
	Very volatile organic compounds e.g. aliphatic hydrocarbons, aliphatic alcohols, amines, esters, acetone and aldehydes	See annex B2 and B-3	2007-372-FIN, 2009-167-D, Directive 2004/42/EC Commission Regulation (EC) No. 552/2009 (VVOC covered by clauses 28 to 30, for carcinogenic VVOC see list in Annex B-3)
VOC[9]	Benzene	71-43-2	Commission Regulation (EC) No. 552/2009 (clause 5), 2007-372-FIN, 1995-213-A, 2009-34-F, 1996-PL Carc. 1A; Muta. 1B; STOT RE 1; Asp. Tox. 1; Eye Irrit. 2/Skin Irrit. 2
	Styrene	100-42-5	2007-372-FIN, 1996-PL, 2009-702-F Acute Tox. 4 *; Eye Irrit. 2; Skin Irrit. 2
	Phenolic compounds		Commission Regulation (EC) No. 552/2009 (clause 31), 1996-PL

[24] Chemical Abstracts Service Registry Number

[25] *NOTE: Definitions of VVOC/VOC/SVOC:*
a) by the World Health Organization (WHO)
VVOC: boiling point is in the range from < 0°C to (50°C to 100°C)

VOC: boiling point is in the range from (50°C to 100°C) to (240°C to 260°C)

SVOC: boiling point is in the range from (240°C to 260°C) to (380°C to 400°C)

b) by ISO standards:

VVOC: All compounds which, in a capillary column coated with 100% dimethylpolysiloxane, are eluted before n-hexane are classed as VVOCs

VOC: All volatile organic compounds which, in a capillary column coated with 100% dimethylpolysiloxane, are eluted with a retention range between n-hexane and n-hexadecane are classed as VOCs

SVOC: All semi-volatile organic compounds which, in a capillary column coated with 100% dimethylpolysiloxane, are eluted with a retention range between n-hexadecane and n-docosane are classed as SVOCs

c) by some national regulations and Directive 2004/42/EG
VOC: Any organic compound having an initial boiling point less than or equal to 250°C measured at a standard pressure of 101,3 kPa

Substance group	Substance or substance subgroup	CAS No[24]	Regulations / Exemplary Notifications / Harmonised classifications
	Volatile organic compounds, e.g. aromatic hydrocarbons, aliphatic hydrocarbons, terpenes, amines, aliphatic alcohols and ether, aromatic alcohols, glycols, glycolethers, aldehydes, ketones, acids, esters and lactones, chlorinated hydrocarbons, siloxanes, isothiazolones (CIT/MIT/BIT), phenols, cresols, naphthalene.	See annex B-2 and B-3	2001-200-A, 2009-167-D, 2009-702-F, Directive 2004/42/EC, 1995-213-A, 2007-372-FIN Both, emissions of individual VOC and the sum emission of all substances are considered. Priority VOCs are substances classified as carcinogenic (see annex B-3), mutagenic or toxic for reproduction (so called CMR substances of categories 1A and 1B according to Regulation (EC) No. 1272/2008). *Note:* A current list of regulated VOC is given in part B-2 of this document. The concentration of not identified and non-assessable VOCs is considered separately.
SVOC[9]	Dibutyl pthalate	84-74-2	2009-104-F, Commission Regulation No. 143/2011, 1996-PL Repr. 1B; Aquatic Acute 1
	Semi-volatile organic compounds, e.g. phthalates, aliphatic hydrocarbons, organophosphorus compounds.	See annex B-2 and B-3	2009-167-D Both, emissions of individual SVOCs and the sum emission of all SVOC are considered. Priority SVOCs are substances classified as carcinogenic (see annex B-3), mutagenic or toxic for reproduction (so called CMR substances of categories 1A and 1B according to Regulation (EC) No. 1272/2008).
Organic compounds associated with particulate matter or particulate organic matter) (POM) and semi volatile organic compounds subject to content regulations			
Pentachlorophenol (PCP)		87-86-5	Commission Regulation (EC) No. 552/2009 (clause 22), Commission Decisions 1994/783/EC, 1996/211/EC, 1999/831/EC,; 2001-450-D, 2010-9016-N, 2007-372-FIN, 1996-PL Carc. 2; Acute Tox. 2 *; Acute Tox. 3 *; Acute Tox. 3 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1
DDT (p,p ′-Dichlor-2,2-diphenyl-1,1,1-trichlorethan)		50-29-3	REGULATION (EC) No 850/2004, 2007-372-FIN Acute Tox. 3 *; Carc. 2; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1
Polycyclic aromatic hydrocarbons – 16 PAH		83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 218-01-9 53-70-3 206-44-0 86-73-7	2009-167-D The individual substances which are considered differ in the different member states. From the analytical point of view tests are usually based on the list of US-EPA. This list includes 16 PAH. The individual substances are classified differently. Commission Regulation (EC) No. 552/2009 (clause 31) (Benzo(a)pyrene) 2007-372-FIN (Benzo(a)pyrene, naphthalene) 1996-PL (naphthalene)

Substance group	Substance or substance subgroup	CAS No[24]	Regulations / Exemplary Notifications / Harmonised classifications
		193-39-5 91-20-3 85-01-8 129-00-0	
Polychlorinated biphenyls (PCB)		1336-36-3	REGULATION (EC) No 850/2004, 2001-450-D, 2007-372-FIN STOT RE 2 *; Aquatic Acute 1; Aquatic Chronic 1
Polybrominated diphenylethers	Commercial Pentabromodiphenyl ether	32534-81-9	REGULATION (EC) No 850/2004 STOT RE 2 *; Lact.; Aquatic Acute 1; Aquatic Chronic 1
	Commercial Octadibromodiphenylether	32536-52-0	REGULATION (EC) No 850/2004, Commission Regulation (EC) No. 552/2009 (clause 45) Repr. 1B
	Decabromodiphenylether	1163-19-5	2005-9020-N, 2009-167-D
Azocolourants and azodyes			Commission Regulation (EC) No. 552/2009 (clause 43, appendix 9) The individual substances are classified differently.
Di(2-ethyhexyl)phthalate (DEHP)		117-81-7	2009-104-F, 2007-372-FIN, Commission Regulation (EU) No. 143/2011 Repr. 1B
Polyhalogenated dibenzo-p-dioxins and polyhalogenated dibenzofuranes			1993/141/D 25 individual substances are prohibited above certain concentrations. The individual substances are classified differently.
Perfluorooctane sulfonic acid and its derivatives (PFOS)		[1763-23-1]	Commission Regulation (EU) No. 757/2010 Carc. 2; Repr. 1B; STOT RE 1; Acute Tox. 4 *; Lact.; Aquatic Chronic 2
Perfluorooctanoic acid (PFOA) and its salts		335-67-1, 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0, 376-27-2, 3108-24-5	2010-9019-N Classification proposal of 07/01/2011 for PFOA: Carc. 2; Repr. 1B; STOT RE 1; STOT RE 2; Acute Tox. 3
Partially and fully fluorinated hydrocarbons, perfluorocarbons (HFCs, FCs, PFCs)		[811-97-2] [75-37-6] [406-58-6] [431-89-0] [460-73-1]	2001-121-DK, 2002-37-A R-134a (Global warming potential 1 430), R-152a (GWP 124), R-365mfc (GWP 794), R-227ea (GWP 3 220), R-245fa (GWP 1 030)
Inorganic substances			
Ammonia		7664-41-7	2009-167-D, 2007-372-FIN, 1996-PL Acute Tox. 3 *; Skin Corr. 1B; Aquatic Acute 1
Hydrazine		302-01-2	2009-167-D, 2007-372-FIN Carc. 1B; Acute Tox. 3 *; Acute Tox. 3 *; Acute Tox. 3 *; Skin Corr. 1B; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 1

Substance group	Substance or substance subgroup	CAS No[24]	Regulations / Exemplary Notifications / Harmonised classifications
Halogens	Chloride Fluoride		2001-450-D
Metals for which content restrictions apply to construction products used in interiors			
Metals	Cadmium and its compounds	7440-43-9	Commission Regulation (EU) No 494/2011, 2001-450-D, 2001-200-A, 2007-372-FIN Carc. 1B; Muta. 2; Repr. 2; Acute Tox. 2 *; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1
	Arsenic	7440-38-2	Commission Regulation (EC) No. 552/2009 (clause 19, treated wood), 2001-450-D, 2007-372-FIN Acute Tox. 3 *; Acute Tox. 3 *; Aquatic Acute 1; Aquatic Chronic 1
	Copper	7440-50-8	2001-450-D
	Lead	7439-92-1	2001-450-D, 2001-200-A, 2010-9016-N Classification example for lead compounds (without CAS): Repr. 1A; Acute Tox. 4 *; Acute Tox. 4 *; STOT RE 2 *; Aquatic Acute 1; Aquatic Chronic 1
	Mercury	7439-97-6	2001-450-D, 2001-200-A, 2007-372-FIN, 1996-PL Repr. 1B; Acute Tox. 2 *; STOT RE 1; Aquatic Acute 1; Aquatic Chronic 1
	Chromium	7440-47-3	2001-450-D, 2002-9039-N, 2007-372-FIN
	Chromium (VI)	18540-29-9	2001-200-A, 1996-PL Classification example for chromium (VI) compounds (without CAS): Carc. 1B; Skin Sens. 1; Aquatic Acute 1 Aquatic Chronic 1
Particles / Fibres			
Asbestos fibres	Actinolite	77536-66-4	Commission Regulation (EC) No. 552/2009 (clause 6), 2007-90-DK, 2004-294-NL, 2004-410-NL, 1996-PL, 2007-372-FIN Carc. 1A; STOT RE 1
	Amosite	12172-73-5	
	Anthophyllite	77536-67-5	
	Chrysotile	12001-29-5 132207-32-0	
	Crocidolite	12001-28-4	
	Tremolite	77536-68-6	
Synthetic vitreous (silicate) fibres			1998-156-D, 2007-90-DK Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content greater than 18 % by weight] Carc. 2
Radiation			
Radioactivity	Naturally occurring radionuclides	Not applicable	2002-271-FIN, 2007-90-DK, national radiation protection ordinances (notified under the EURATOM Treaty).

B-2. Regulated volatile organic compounds (VVOC, VOC, SVOC) excluding carcinogenic substances of category 1A and 1B[26]

The substances in the table are derived from the following notifications:

Column E regulations on product emissions:

– 2009-702-F / substances for which emission labelling is obligatory

– 2009-167-D / substances for which lowest concentrations of interest (LCI values) have been defined

– Polish ordinance on the permitted concentrations and intensities of agents harmful for health emitted by construction materials in rooms intended for human residence (1996-PL)[27]

Column IA: 2007-372-FIN / substances for which a maximum values for the concentration in indoor air for the purpose of designing indoor climate in buildings has been derived from occupational exposure limits (here only the substances also covered by the above mentioned product emission regulations have been included)

Red = MR substance (mutagenic / toxic for reproduction) of category 1A or 1B (**SVHC** under REACH are marked bold)

Orange = VVOC are highlighted due to technical issues related to the choice of a suitable test method

Table B-2. VOC regulated as emissions from construction products into indoor air in buildings

Substance	**CAS No**	**Harmonised classifications**[28] (Annex VI to Regulation (EC) No 1272/2008)	**E**	**IA**
AROMATIC HYDROCARBONS				
Toluene	108-88-3	Repr. 2; Asp. Tox. 1; STOT RE 2 *; Skin Irrit. 2; STOT SE 3	X	X
Ethyl benzene	100-41-4	Flam. Liq. 2; Acute Tox. 4 *	X	X
Xylene, mix of o-, m- and p-xylene isomers	1330-20-7	Flam. Liq. 3; Acute Tox. 4 *; Acute Tox. 4 *; Skin Irrit. 2	X	X
p-Xylene	106-42-3	Flam. Liq. 3; Acute Tox. 4 *; Skin Irrit. 2	X	X
m-Xylene	108-38-3	Flam. Liq. 3; Acute Tox. 4 *; Acute Tox. 4 *; Skin Irrit. 2	X	X
o-Xylene	95-47-6	Flam. Liq. 3; Acute Tox. 4 *; Acute Tox. 4 *; Skin Irrit. 2	X	X
Cumene	98-82-8	Flam. Liq. 3; Asp. Tox. 1; STOT SE 3; Aquatic Chronic 2	X	X
n-Propyl benzene	103-65-1	Flam. Liq. 3; Asp. Tox. 1; STOT SE 3; Aquatic Chronic 2	X	
1-Propenyl benzene (ß-methyl styrene)	637-50-3		X	
1.3.5-Trimethylbenzene	108-67-8	Flam. Liq. 3; STOT SE 3; Aquatic Chronic 2	X	X

[26] Substances classified carcinogenic, mutagenic or toxic for reproduction, CMR substances, are listed in Annex VI Part 3 of the Regulation (EC) No. 1272/2008.

[27] The Polish Regulation from 1996 is included on legal grounds although it is not notified as it derives from the time before Poland joined the EU and the regulation is not in contradiction with community law.

[28] If not available a self classification by the manufacturer is required. A minimum classification for a category is indicated by *.

Substance	CAS No	Harmonised classifications[28] (Annex VI to Regulation (EC) No 1272/2008)	E	IA
1.2.4-Trimethylbenzene	95-63-6	Flam. Liq. 3; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Aquatic Chronic 2	X	X
1.2.3-Trimethylbenzene	526-73-8		X	X
2-Ethyltoluene	611-14-3		X	
1-Isopropyl-2-methylbenzene (o-cymene)	527-84-4		X	
1-Isopropyl-3-methylbenzene (m-cymene)	535-77-3		X	
1-Isopropyl-4-methylbenzene (p-cymene)	99-87-6		X	
1.2.4.5-Tetramethyl benzene	95-93-2		X	
n-Butyl benzene	104-51-8		X	
1.3-Diisopropylbenzene	99-62-7		X	
1.4-Diisopropylbenzene	100-18-5		X	
Phenyl octane and isomers	2189-60-8		X	
1-Phenyldecane and isomers	104-72-3		X	
1-Phenyl undecane and isomers	6742-54-7		X	
4-Phenyl cyclohexene (4-PCH)	4994-16-5		X	
Styrene	100-42-5	Flam. Liq. 3; Acute Tox. 4 *; Eye Irrit. 2; Skin Irrit. 2	X	X
Phenyl acetylene	536-74-3		X	
2-Phenylpropene (α-Methylstyrene)	98-83-9	Flam. Liq. 3; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 2	X	X
Vinyl toluene (all isomers: o-,m-,p-methyl styrenes)	25013-15-4		X	X
Other alkylbenzenes, as long as individual. isomers have not to be evaluated differently			X	
Naphthalene	91-20-3	Carc. 2; Acute Tox. 4 *; Aquatic Acute 1; Aquatic Chronic 1	X	X
Indene	95-13-6		X	X
Chloronaphtalene	90-13-1		X	
Phthalic anhydride	85-44-9	Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2; Eye Dam. 1; Resp. Sens. 1; Skin Sens. 1	X	X
Chlorobenzene	108-90-7	Flam. Liq. 3; Acute Tox. 4 *; Aquatic Chronic 2	X	X
Cresol mixed isomers	1319-77-3	Acute Tox. 3 *; Acute Tox. 3 *; Skin Corr. 1B	X	X
ALIPHATIC HYDROCARBONS				
3-Methylpentane	96-14-0	Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	X	X
n-Hexane	110-54-3	Flam. Liq. 2; Repr. 2; Asp. Tox. 1; STOT RE 2 *; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	X	X
Cyclohexane	110-82-7	Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1	X	X
Methyl cyclohexane	108-87-2	Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Chronic 2	X	X
n-Heptane	142-82-5	Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; STOT SE 3; Aquatic Acute 1; Aquatic Chronic 1	X	X
other saturated n-aliphatic hydrocarbons until C8			X	
other saturated n-aliphatic hydrocarbons from C9			X	
TERPENES				
3-Carene	498-15-7		X	
α-Pinene	80-56-8		X	
ß-Pinene	127-91-3		X	
Limonene	138-86-3	Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 1	X	X
Other terpene hydrocarbons			X	
ALIPHATIC ALCOHOLS				
Ethanol	64-17-5	Flam. Liq. 2	X	
1-Propanol	71-23-8	Flam. Liq. 2; Eye Dam. 1; STOT SE 3	X	
2-Propanol	67-63-0	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	

Substance	CAS No	Harmonised classifications[28] (Annex VI to Regulation (EC) No 1272/2008)	E	IA
2-methylpropan-2-ol	75-65-0	Flam. Liq. 2; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3	X	X
2-Methyl-1-propanol	78-83-1	Flam. Liq. 3; STOT SE 3; Skin Irrit. 2; Eye Dam. 1; STOT SE 3	X	X
Butan-1-ol	71-36-3	Flam. Liq. 3; Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2; Eye Dam. 1; STOT SE 3	X	X
Pentanol (all isomers)	71-41-0	Flam. Liq. 3; Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2	x	X
	30899-19-5		x	
	94624-12-1		X	
	6032-29-7		X	
	584-02-1	Flam. Liq. 3; Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2	X	
	137-32-6		x	X
	123-51-3		x	X
	598-75-4		X	
	75-85-4	Flam. Liq. 2; Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2	x	
	75-84-3		X	
1-Hexanol	111-27-3	Acute Tox. 4 *	X	
Cyclohexanol	108-93-0	Acute Tox. 4 *; Acute Tox. 4 *; STOT SE 3; Skin Irrit. 2	X	X
2-Ethyl-1-hexanol	104-76-7		X	
1-Octanol	111-87-5		X	
4-Hydroxy-4-methyl-pentane-2-on	123-42-2	Eye Irrit. 2	X	X
C4 - C10 saturated n- and iso-alcohols			X	
C11 - C13 saturated n- and iso-alcohols			X	
AROMATIC ALCOHOLS				
Phenol	108-95-2	Muta. 2; Acute Tox. 3 *; STOT RE 2 *; Skin Corr. 1B	X	X
4-(α,α-dimethylbenzyl)phenol	599-64-4		X	
Butylated hydroxytoluene	128-37-0		X	X
Benzyl alcohol	100-51-6	Acute Tox. 4 *	X	
GLYCOLS, GLYCOLETHERS				
Propylene glicol	57-55-6		X	
Ethandiol (Ethylene glycol)	107-21-1	Acute Tox. 4 *	X	X
Ethylene glycol-monobutylether	111-76-2	Acute Tox. 4 *; Eye Irrit. 2; Skin Irrit. 2	X	X
Diethylene glycol	111-46-6	Acute Tox. 4 *	X	
Diethylene glycol-monobutylether	112-34-5	Eye Irrit. 2	X	X
2-Phenoxyethanol	122-99-6	Acute Tox. 4 *; Eye Irrit. 2	X	X
Ethylene carbonate	96-49-1		X	
1-Methoxy propanol-2	107-98-2	Flam. Liq. 3; STOT SE 3	X	X
2.2.4-Trimethyl-1.3-pentane diol, monoisobutyrate (Texanol®)	25265-77-4		X	
Butyl glycolate	7397-62-8		X	
Diethylene glycol monomethyl ether acetate	124-17-4		X	
Dipropylene glycol monomethyl ether	34590-94-8		X	X
2-Methoxyethanol	**109-86-4**	**Flam. Liq. 3; Repr. 1B; Acute Tox. 4 ***	**X**	**X**
2-Ethoxyethanol	**110-80-5**	**Flam. Liq. 3; Repr. 1B; Acute Tox. 4 ***	**X**	**X**
2-Propoxyethanol	2807-30-9	Acute Tox. 4 * Eye Irrit. 2	X	
2-Methylethoxyethanol	109-59-1	Acute Tox. 4 * Acute Tox. 4 * Eye Irrit. 2	X	
2-Hexoxyethanol	112-25-4	Acute Tox. 4 * Acute Tox. 4 * Skin Corr. 1B	X	

Substance	CAS No	Harmonised classifications[28] (Annex VI to Regulation (EC) No 1272/2008)	E	IA
1,2-Dimethoxyethan	110-71-4	Flam. Liq. 2; Repr. 1B; Acute Tox. 4 *	X	
1,2-Diethoxyethan	73506-93-1 629-14-1	Flam. Liq. 2; Repr. 1A; Eye Irrit. 2		
2-Methoxyethyl acetate	110-49-6	Repr. 1B; Acute Tox. 4 *	X	X
2-Ethoxyethyl acetate	**111-15-9**	**Flam. Liq. 3; Repr. 1B; Acute Tox. 4 ***	**X**	**X**
2-Butoxyethyl acetate	112-07-2	Acute Tox. 4 *	X	X
2-(2-Hexoxyethoxy)-ethanol	112-59-4	Acute Tox. 4 *; Eye Dam. 1	X	
1-Methoxy-2-(2-methoxy-ethoxy)-ethan	111-96-6	Flam. Liq. 3; Repr. 1B	X	
2-Methoxy-1-propanol	1589-47-5	Flam. Liq. 3; Repr. 1B; STOT SE 3; Skin Irrit. 2; Eye Dam. 1	X	
2-Methoxy-1-propyl acetate	70657-70-4	Flam. Liq. 3; Repr. 1B; STOT SE 3	X	
Propilene glycol diacetate	623-84-7		X	
Dipropylene glycol	110-98-5 / 25265-71-8		X	
Dipropylene glycol-monomethyl ether acetate	88917-22-0		X	
Dipropylene glycol-mono-n-propylether	29911-27-1		X	
Dipropylene glycol-ono-n-butylether	29911-28-2 35884-42-5		X	
Dipropylene glycol-mono-t-butylether	132739-31-2 (Mixture)		X	
1,4-Butandiol	110-63-4		X	
Tripropylene glycol-monomethyl ether	20324-33-8 25498-49-1		X	
Triethylene glycol-dimethyl ether	112-49-2	Repr. 1B	X	
1.2.-Propylene glycol-dimethyl ether	7778-85-0	Flam. Liq. 2	X	
TXIB	6846-50-0		X	
Diethylene glycol monoethyl ether	111-90-0		X	
Dipropylene glycol dimethyl ether	63019-84-1 89399-28-0 111109-77-4		X	
Propylene carbonate	108-32-7	Eye Irrit. 2	X	
Hexylene glycol	107-41-5	Eye Irrit. 2; Skin Irrit. 2	X	
ALDEHYDES				
Butanal	123-72-8	Flam. Liq. 2	X	
Pentanal	110-62-3		X	X
Hexanal	66-25-1		X	
Heptanal	111-71-7		X	
2-Ethyl-hexanal	123-05-7		X	
Octanal	124-13-0		X	
Nonanal	124-19-6		X	
Decanal	112-31-2		X	
2-Butenal (crotonaldehyde, cis-trans-mix)	4170-30-3 123-73-9 15798-64-8	Flam. Liq. 2; Muta. 2; Acute Tox. 2 *; Acute Tox. 3 *; STOT RE 2 *; STOT SE 3; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute 1	X X X	X X
2-Pentenal	1576-87-0 764-39-6 31424-04-1		X	
2-Hexenal	16635-54-4 6728-26-3 505-57-7		X	

Substance	CAS No	Harmonised classifications[28] (Annex VI to Regulation (EC) No 1272/2008)	E	IA
	1335-39-3			
2-Heptenal	2463-63-0 18829-55-5 29381-66-6		X	
2-Octenal	2363-89-5 25447-69-2 20664-46-4 2548-87-0		X	
2-Nonenal	2463-53-8 30551-15-6 18829-56-6 60784-31-8		X	
2-Decenal	3913-71-1 / 2497-25-8 / 3913-81-3		X	
2-Undecenal	2463-77-6 / 53448-07-0		X	
Furfural	98-01-1	Carc. 2; Acute Tox. 3 *; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2	X	X
Glutardialdehyde	111-30-8	Acute Tox. 3 *: Skin Corr. 1B; Resp. Sens. 1; Skin Sens. 1; Aquatic Acute 1	X	X
Benzaldehyde	100-52-7	Acute Tox. 4 *	X	X
Acetaldehyde	75-07-0	Flam. Liq. 1; Carc. 2; Eye Irrit. 2; STOT SE 3	X	
Propanal	123-38-6	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2	X	
Formaldehyde	50-00-0	Carc. 2; Acute Tox. 3 *; Skin Corr. 1B; Skin Sens. 1	X	
KETONES				
Ethylmethylketone	78-93-3		X	X
3-Methylbutanone-2	563-80-4	Flam. Liq. 2	X	
Methylisobutylketone	108-10-1	Flam. Liq. 2; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3	X	X
Cyclopentanone	120-92-3	Flam. Liq. 3; Eye Irrit. 2; Skin Irrit. 2	X	
Cyclohexanone	108-94-1	Flam. Liq. 3; Acute Tox. 4 *	X	X
2-Methylcyclopentanone	1120-72-5		X	
2-Methylcyclohexanone	583-60-8	Flam. Liq. 3; Acute Tox. 4 *	X	X
Acetophenone	98-86-2	Acute Tox. 4 *; Eye Irrit. 2	X	X
1-Hydroxyacetone	116-09-6		X	
Acetone	67-64-1	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	
ACIDS				
Acetic acid	64-19-7	Flam. Liq. 3; Skin Corr. 1A	X	X
Propionic acid	79-09-4	Skin Corr. 1B	X	X
Isobutyric acid	79-31-2	Acute Tox. 4 *	X	
Butyric acid	107-92-6	Skin Corr. 1B	X	
Pivalic acid	75-98-9		X	
n-Valeric acid	109-52-4	Skin Corr. 1B; Aquatic Chronic 3	X	
n-Caproic acid	142-62-1		X	
n-Heptanoic acid	111-14-8	Skin Corr. 1B	X	
n-Octanoic acid	124-07-2		X	
2-Ethylhexane acid	149-57-5	Repr. 2	X	
ESTERS AND LACTONES				
Methyl acetate	79-20-9	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	X
Ethyl acetate	141-78-6	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	X
Vinyl acetate	108-05-4	Flam. Liq. 2	X	X
Isopropyl acetate	108-21-4	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	X
Propyl acetate	109-60-4	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	X
2-Methoxy-1-methylethyl acetate	108-65-6	Flam. Liq. 3	X	X

Substance	CAS No	Harmonised classifications[28] (Annex VI to Regulation (EC) No 1272/2008)	E	IA
n-Butyl formiate	592-84-7	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	X	
Methyl methacrylate	80-62-6	Flam. Liq. 2; STOT SE 3; Skin Irrit. 2; Skin Sens. 1	X	X
Other methacrylates				
Isobutyl acetate	110-19-0	Flam. Liq. 2	X	X
1-Butyl acetate	123-86-4	Flam. Liq. 3; STOT SE 3	X	X
2-Ethylhexyl acetate	103-09-3		X	X
Methyl acrylate	96-33-3	Flam. Liq. 2; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Skin Sens. 1	X	X
Ethyl acrylate	140-88-5	Flam. Liq. 2; Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Skin Sens. 1	X	X
n-Butyl acrylate	141-32-2	Flam. Liq. 3; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Skin Sens. 1	X	X
2-Ethylhexyl acrylate	103-11-7	STOT SE 3; Skin Irrit. 2; Skin Sens. 1	X	
Other acrylates (acrylic acid ester)			X	
Dimethyl adipate	627-93-0		X	
Dibutyl fumarate	105-75-9		X	
Dimethyl succinate	106-65-0		X	
Dimethyl glutarate	1119-40-0		X	
Hexamethylene diacrylate	13048-33-4	Eye Irrit. 2; Skin Irrit. 2; Skin Sens. 1	X	
Maleic acid dibutylester	105-76-0		X	
Butyrolactone	96-48-0		X	
Diisobutyl glutarate	71195-64-7		X	
Diisobutyl succinate	925-06-4		X	
Dibutyl phthalate	**84-74-2**	**Repr. 1B; Aquatic Acute 1**	**X**	
CHLORINATED HYDROCARBONS				
Tetrachloroethene	127-18-4	Carc. 2; Aquatic Chronic 2	X	X
1,1,2-Trichloroethane	79-00-5	Carc. 2; Acute Tox. 4 *; Acute Tox. 4 *; Acute Tox. 4 *	X	X
2,3,4,5-Tetrachlorophenol	4901-51-3		X	X
2,3,4,6-Tetrachlorophenol	58-90-2	Acute Tox. 3 *; Eye Irrit. 2; Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1	X	X
1,2-Dichlorobenzene	95-50-1	Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1	X	X
1,4-Dichlorobenzene	106-46-7	Carc. 2; Eye Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1	X	X
OTHERS				
1.4-Dioxan	123-91-1	Flam. Liq. 2; Carc. 2; Eye Irrit. 2; STOT SE 3	X	X
Caprolactam	105-60-2	Acute Tox. 4 *; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2	X	X
N-methyl-2-pyrrolidon	**872-50-4**	**Repr. 1B; Eye Irrit. 2; STOT SE 3; Skin Irrit. 2**	**X**	**X**
Octamethylcyclotetra-siloxane	556-67-2	Repr. 2; Aquatic Chronic 4	X	
Hexamethylenetetramine	100-97-0	Repr. 2; Aquatic Chronic 4	X	
2-Butanonoxime	96-29-7	Carc. 2; Acute Tox. 4 *; Eye Dam. 1; Skin Sens. 1	X	
Tributyl phosphate	126-73-8	Carc. 2; Acute Tox. 4 *; Skin Irrit. 2	X	X
Triethyl phosphate	78-40-0	Acute Tox. 4 *	X	
5-Chloro-2-methyl-2H-isothiazol-3-one (CIT)	26172-554		X	
2-Methyl-4-isothiazolin-3-one	2682-20-4		X	
Triethylamine	121-44-8	Flam. Liq. 2; Acute Tox. 4 *; Skin Corr. 1A	X	
Decamethylcyclopentasiloxane	541-02-6		X	
Dodecamethylcyclohexasiloxane	540-97-6		X	
Maleic anhydride	108-31-6	Acute Tox. 4 *; Skin Corr. 1B; Resp. Sens. 1; Skin Sens. 1	X	X

B-3. Carcinogenic VOC of EU-categories 1A and 1B

The carcinogenic VOC have been extracted from Annex VI Part 3 of the Regulation (EC) No. 1272/2008 on the basis of the boiling points of the classified substances (no claim of completeness can be made). All listed volatile carcinogens are regulated under 2009-167-D, where the sum of all volatile carcinogens is assessed. Substances for which substance specific indoor air limit values or product emission limit values have been set additionally in other national regulations are shadowed (regulations 2009-34-F, 2007-372-FIN, 1996-PL). All listed substances are potential future **SVHC** under REACH.

Table B-3.1 Carcinogenic VVOC (boiling point below 68 °C)

	Name	CAS-No.	Carc. cat
1.	Bromoethane	74-96-4	1B
2.	Bromoethylen	593-60-2	1B
3.	1,3-Butadiene	106-99-0	1A
4.	n-Butane (includes >= 0,1 % Butadiene)	106-97-8	1A
5.	Chloroprene	126-99-8	1B
6.	Chlorofluoromethane	593-70-4	1B
7.	Chlorodimethyl ether	107-30-2	1A
8.	Diazomethane	334-88-3	1B
9.	N,N-Dimethylhydrazine	57-14-7	1B
10.	Dimethyl sulphate	77-78-1	1B
11.	1,2-Epoxybutan	106-88-7	1B
12.	Ethyleneimine	151-56-4	1B
13.	Ethylene oxide	75-21-8	1B
14.	Furan	110-00-9	1B
15.	Isobutyl nitrite	542-56-3	1B
16.	Isoprene	78-79-5	1B
17.	2-Methylaziridine	75-55-8	1B
18.	Propylene oxide	75-56-9	1B
19.	Chloroform	67-66-3	1B
20.	Vinyl chloride	75-01-4	1A

Table B-3.2 Carcinogenic VOC (boiling point between 68 and 250 °C)

	Name	CAS-No.	Carc. cat
21.	Acrylamide	79-06-1	1B
22.	Acrylonitrile	107-13-1	1B
23.	Allyl glycidyl ether	106-92-3	1B
24.	Benzene	71-43-2	1A
25.	2,2'-Bioxirane	1464-53-5	1B
26.	Bis (chloromethyl) ether	542-88-1	1A
27.	Resorcinol diglycidyl ether	101-90-6	1B
28.	4-Chloroaniline	106-47-8	1B
29.	Epichlorhydrine	106-89-8	1B
30.	(R)-(-)-Epichlorohydrine	51594-55-9	1B
31.	4-Chloro-2-methylaniline	95-69-2	1A
32.	Benzyl chloride	100-44-7	1B
33.	Chromyl chloride	14977-61-8	1B

	Name	CAS-No.	Carc. cat
34.	1,2-Dibromo-3-chloropropane	96-12-8	1B
35.	1,2-Dibromoethane	106-93-4	1B
36.	1,4-Dichlorobut-2-ene	764-41-0	1B
37.	Bis(2-chloroethyl) sulphide	505-60-2	1A
38.	Ethylene dichloride	107-06-2	1B
39.	1,3-Dichloro-2-propanol	96-23-1	1B
40.	1,3-Dichloropropene, isomers	542-75-6	1B
41.	Dimethylcarbamoyl chloride	79-44-7	1B
42.	N,N'-Dimethylhydrazine; 1,2-Dimethylhydrazine	540-73-8	1B
43.	Vinylcyclohexane diepoxide	106-87-6	1B
44.	Hexamethylphosphoric triamide	680-31-9	1B
45.	2-Methoxyaniline	90-04-0	1B
46.	6-Methoxy-m-toluidine	120-71-8	1B
47.	Methyl azoxy methyl acetate	592-62-1	1B
48.	N-Methylbis(2-chloroethyl)amine	51-75-2	1A
49.	4,4-Methylenedi-o-toluidine	838-88-0	1B
50.	Morpholine-4-carbonyl chloride	15159-40-7	1B
51.	2-Nitropropane	79-46-9	1B
52.	N-Nitrosodibutylamine	924-16-3	1B
53.	N-Nitrosodiethylamine	55-18-5	1B
54.	Nitrosodipropylamine	621-64-7	1B
55.	N-Nitrosodiisopropylamine	601-77-4	1B
56.	N-Ethyl-N-nitrosoaniline	612-64-6	1B
57.	2,2'-(Nitrosoimino)bisethanol	1116-54-7	1B
58.	N-Methyl-N-nitroso-ethylamine	10595-95-6	1B
59.	N-Nitrosomorpholine	59-89-2	1B
60.	N-Nitrosopiperidine	100-75-4	1B
61.	N-Nitrosopyrrolidine	930-55-2	1B
62.	2-Nitrotoluene	88-72-2	1B
63.	Phenyl glycidyl ether	122-60-1	1B
64.	1,3-Propansulton	1120-71-4	1B
65.	Quinoline	91-22-5	1B
66.	5-Allyl-1,3-benzodioxole	94-59-7	1B
67.	Styrene oxide	96-09-3	1B
68.	Sulfallate	95-06-7	1B
69.	4-Chlorobenzotrichloride	5216-25-1	1B
70.	Tetranitromethane	509-14-8	1B
71.	o-Toluidine	95-53-4	1B
72.	,3,4-Trichlorobut-1-ene	2431-50-7	1B
73.	**Trichloroethylene**	**79-01-6**	**1B**
74.	**1,2,3-Trichloropropane**	**96-18-4**	**1B**
75.	Benzotrichloride	98-07-7	1B
76.	2,4,5-Trimethylanilin	137-17-7	1B
77.	Urethane	51-79-6	1B

B-3.3 Carcinogenic SVOC (boiling point between 250 and 400 °C)

	Name	CAS-No.	Carc. Cat
78.	4-Aminoazobenzene	60-09-3	1B
79.	4-Aminobiphenyl	92-67-1	1A
80.	Azobenzene	103-33-3	1B
81.	4,4'-Bi-o-toluidine	119-93-7	1B
82.	**4,4'-Diaminodiphenylmethane (MDA)**	**101-77-9**	**1B**
83.	4-Methyl-m-phenylenediamine	95-80-7	1B
84.	Hexachlorobenzene	118-74-1	1B
85.	4-Methyl-m-phenylenediamine	95-80-7	1B
86.	2-Naphthylamine	91-59-8	1A
87.	2-Nitroanisole	91-23-6	1B
88.	4-Nitrobiphenyle	92-93-3	1B
89.	2-Nitronaphtalene	581-89-5	1B
90.	Methylenebisdimethylaniline	101-61-1	1B

ANNEX C

List of consulted notifications (see http://ec.europa.eu/enterprise/tris/) and national derogations from Community Law confirmed by Commission Decisions (see http://ec.europa.eu/enterprise/sectors/chemicals/documents/specific-chemicals/derogations/index_en.htm)

Please note that this list is not intended as a complete compilation of all relevant regulations for dangerous substances in construction products. The list only provides examples of regulations that pose requirements on the substances and parameters included in Annex A and in Annex B. For a more complete overview please consult: http://ec.europa.eu/enterprise/construction/cpd-ds/index.cfm.

Notification / Decision No.	Title in original language	Title in English
1985-26-D	Gefahrstoffverordnung	Order on protection from hazardous substances (not available in database TRIS as notifications from 1980s are not included)
1987-0125-F	Décret n°88-683 du 6 mai 1988 relatif à l'utilisation des mousses urée-formol dans les locaux à usage d'habitation ou destinés à une occupation humaine permanente ou semi-permanente Arrêté du 6 mai 1988 relatif à la teneur maximale en formaldéhyde provenant de l'injection des mousses urée-formol dans les locaux à usage d'habitation ou destinés à une occupation permanente ou semi-permanente	Décret 88-683 of 06/05/1988 on the use of urea-formaldehyde foams in buildings intended for permanent or semi-permanent human occupation Arrêté of 06/05/1988 fixing a maximum content of formaldehyde coming from urea-formaldehyde foams in buildings intended for a permanent or semi-permanent human occupation.
1990-A (code for this list only)	Verordnung des Bundesministers für Umwelt, Jugend und Familie vom 12. Februar 1990 über Beschränkungen des Inverkehrsetzens und über die Kennzeichnung formaldehydhaltiger Stoffe, Zubereitungen und Fertigwaren (Formaldehydverordnung)	Ordinance of the Federal Minister of the Environment, Youth and the Family of February 12, 1990 Concerning Restrictions for the Placing on the Market and Labelling of Substances, Preparations and Finished Products which contain Formaldehyde
1993-141-D	Verordnung zur Ausweitung der Verbote von Stoffen, Zubereitungen und Erzeugnissen, die bestimmte polyhalogenierte Dibenzo-p-dioxine (phdd) und bestimmte polyhalogenierte Dibenzofurane (phdf) enthalten.	Prohibition of materials, preparations and products containing certain polyhalogenated dibenzo-p-dioxins (phdds) or certain polyhalogenated dibenzofuranes (phdfs) (extension of applicability) order.
1995-188-DK	Bygningsreglement	Building regulations
1995-213-A	Verordnung des Bundesministers für Umwelt über Verbote und Beschränkungen von organischen Lösungsmitteln (Lösungsmittelverordnung 1995 - LMVO 1995)	Order of the Federal Minister for the Environment on bans on and restrictions of organic solvents (Solvents Order 1995 - German designation LMVO 1995)
1996-Pl (code for this list only)	Monitor Polski - rok 1996, nr 19, poz. 231 Zarządzenie Ministra Zdrowia i Opieki Społecznej z dnia 12 marca 1996 r. w sprawie dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia, wydzielanych przez materiały budowlane, urządzenia i elementy wyposażenia w pomieszczeniach przeznaczonych n pobyt ludzi.	Monitor Polski Nr 19/1996, poz. 231 ORDINANCE OF THE MINISTER OF HEALTH AND SOCIAL WELFARE of 12 March 1996 on the permitted concentrations and intensities of agents harmful for health emitted by construction materials, facilities and components of furniture in rooms intended for human residence.

Notification / Decision No.	Title in original language	Title in English
1997/346/NL	Ontwerp-Regeling Bouwbesluit materialen	Draft Regulation Building Decree on Materials
1997-527-DK	Bygningsreglement for småhuse	Building regulations for small houses
1998/57/NL	Ontwerp-Regeling Bouwbesluit materialen 1998	Draft Regulation under the Buildings Decree on Materials 1998
1998-156-D	Verordnung zur Änderung chemikalienrechtlicher Verordnungen	Order amending the Orders on chemical law
1998-9034-N	Forskrift om forbud mot bruk av akrylamidbaserte injeksjonsmidler til tetting av vannlekkasjer i anleggsvirksomhet	A proposal for regulations relating to a permanent prohibition against the use of acryl amide based grouting agents for the sealing against water leakages in connection with construction work. (incorporated into 2002-9039-N)
1999-103-NL	Ontwerp-besluit gechloreerde paraffines Wms	Draft Decree on Chlorinated Paraffins under the Act on Environmentally-Hazardous Substances (Dutch designation: Wms)
1999-263-A	RVS 8S.01.31 Technische Vertragsbedingungen Wiederverwendbare Baustoffe: Asphaltgranulat	Guidelines and Regulations for Highway Construction [German designation: RVS] 8S.01.31 Technical terms of contract Reusable construction materials Asphalt granulate
2001-121-DK	Bekendtgørelse om regulering af visse industrielle drivhusgasser: BEK nr 552 af 02/07/2002 (Gældende)	Order regulating certain industrial greenhouse gases
2001-200-A	Gütevorschriften für elastische Bodenbeläge	Quality regulations for elastic flooring materials
2001-450-D	Verordnung über die Entsorgung von Altholz	Order on the disposal of waste wood
2002-271-FIN	Ympäristöministeriön asetus rakennusten sisäilmastosta ja ilmanvaihdosta, Suomen rakentamismääräyskokoelma, osa D2, määräykset ja ohjeet	Ministry of the Environment decree on indoor air and ventilation in buildings, the Finnish Building Regulations, Part D2, regulations and instructions
2002-9039-N	Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)	Regulations relating to restrictions on certain dangerous chemicals and products
2004-294-NL	Ontwerpbesluit houdende regels betreffende asbest en asbesthoudende producten (Productenbesluit asbest)	Draft Decree regulating asbestos and products containing asbestos (Asbestos Products Decree)
2004-410-NL	Ontwerpregeling houdende regels met betrekking tot het bepalen van de concentratie asbest in producten (Productenregeling asbest).	Draft regulation on determining the concentration of asbestos in products (Asbestos Products Regulation).
2004-71-D	Technische Lieferbedingungen für Gesteinskörnungen im Straßenbau, TL Gestein-StB 04	Technical Terms of Delivery for aggregates used in road construction [German designation: TL Gestein-StB 04]
2005-255-D	Grundsätze zur gesundheitlichen Bewertung von Bauprodukten in Innenräumen, Stand April 2005	Principles for the health assessment of construction products used in interiors, as at April 2005
2005-283-NL	Regeling tot wijziging van de Uitvoeringsregeling Bouwstoffenbesluit bodem- en oppervlaktewaterenbescherming	Regulation amending the Regulation implementing the Building Materials (Soil and Surface Water Protection) Decree;
2005-485-A	Verordnung des Bundesministers für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft, mit der die Verordnung über Verbote und Beschränkungen teilfluorierter und vollfluorierter Kohlenwasserstoffe sowie von Schwefelhexafluorid (HFKW-FKW-SF6-V) geändert wird	Order issued by the Federal Minister for Agriculture, Forestry, Environment and Water Management amending the Order governing prohibitions and restrictions on partially fluorinated and fully fluorinated hydrocarbons and sulphur hexafluoride (HFC-CFC-SF6-Order).
2005-649-S (withdrawn from 1st June	Förordning om ändring i förordningen (1998:944) om förbud m.m. i vissa fall i samband med hantering, införsel och utförsel av kemiska produkter	Order amending the Order (1998:994) imposing bans etc. in certain cases in connection with the handling, import and export of chemical products

Notification / Decision No.	Title in original language	Title in English
2008)		
2005-735-FIN	Valtioneuvoston asetus eräiden jätteiden hyödyntämisestä maarakentamisessa	Council of State Decree concerning the recovery of certain wastes in earth construction
2005-9020-N	Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter	Regulations relating to restrictions on the use of chemicals dangerous to health and environment and other products
2006-223-E	DECRETO SOBRE VALORIZACIÓN DE ESCORIAS PROCEDENTES DE LA FABRICACIÓN DE ACERO EN HORNO DE ARCO ELÉCTRICO	Decree on the recovery of slag produced from the manufacture of steel in electric arc furnaces
2006-90-D	Grundsätze zur Bewertung der Auswirkungen von Bauprodukten auf Boden und Grundwasser	Principles for assessing the effects of construction products on soil and groundwater
2006-496-NL	Besluit van 22 november 2007, houdende regels inzake de kwaliteit van de bodem (Besluit bodemkwaliteit)	Soil Quality Decree
2006-516-D	Eisenbahnspezifische Bauregellisten (EBRL) und Eisenbahnspezifische Ergänzungen und Anlagen zu den Bauregellisten A, B und der Liste C des DIBt (Ausgabe 2005/1)	Railway-specific Building Regulation Lists (German designation EBRL) and railway-specific additions and annexes to Building Regulation Lists A and B and List C of the DIBt (edition 2005/1), 2006 edition
2006-557-NL	Regeling bodemkwaliteit	Preliminary draft of the Soil Quality Regulation
2007-90-DK	Bygningsreglement 2008	Building Regulations 07
2007-372-FIN	Rakennusten sisäilmasto ja ilmanvaihto Määräykset ja ohjeet 2007	Indoor Climate and Ventilation in Buildings Regulations and Guidelines 2007
2007-653-A	Richtlinie für Recycling-Baustoffe aus Hochbau-Restmassen	Guidelines for recycled building materials from building demolition waste
2007-9016-N	Utkast til nytt kapittel om forbrukerprodukter i produktforskriften: Miljøgifter i forbrukerprodukter	Draft of new chapter concerning consumer products in the Norwegian Product Regulations: Hazardous substances in consumer products
2008-243-S	Föreskrifter om ändring i Kemikalieinspektionens föreskrifter (KIFS 2008:2) om kemiska produkter och biotekniska organismer	Regulations concerning changes to the regulations of the Swedish Chemicals Agency (KIFS 2008:2) on chemical products and biotechnical organisms
2008/273/FIN	Ympäristöministeriön asetus rakennusten sisäilmastosta ja ilmanvaihdosta, Suomen rakentamismääräyskokoelma, D2, määräykset ja ohjeet	Directive of the Ministry of the Environment on indoor climate and ventilation of buildings, the National Code of Building Regulations of Finland, D2, Regulations and Guidelines
2008-321-GR	Ανώτατο όριο φορμαλδεΰδης για τα έπιπλα, διακοσμητικά αντικείμενα και πρώτες ύλες αυτών σύνθετης συγκολλημένης ξυλείας – Μετανάστευση ορισμένων στοιχείων από παιδικά έπιπλα - Φορέας Επίπλου	Draft ministerial decision – maximum formaldehyde levels for furniture, decorative objects and laminated strand lumber (LSLs) used as raw materials in such – migration of certain elements from children's furniture – Furniture Agency
2008-565-NL	Regeling van de Minister van Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer en de Staatssecretaris van Verkeer en Waterstaat houdende wijziging van de Regeling bodemkwaliteit	Regulation of the Minister for Housing, Spatial Planning and the Environment and the State Secretary for Transport, Public Works and Water Management amending the Soil Quality Regulation
2009-34-F	Arrêté relatif aux conditions de mise sur le marché des produits de construction et de décoration contenant des substances cancérigènes, mutagènes ou reprotoxiques de catégorie 1 ou 2.	Order on the conditions on placing construction and decoration products containing carcinogenic, mutagenic or reprotoxic substances of category 1 or 2 on the market.
2009-104-F	Projet d'arrêté relatif aux conditions de mise sur le marché des produits de construction et de décoration contenant des substances cancérigènes, mutagènes ou reprotoxiques de catégorie 1 ou 2	Order relating to the conditions for marketing construction and decorative products containing carcinogens, mutagens or reprotoxic substances in category 1 or 2.
2009-167-D	Entwurf der Grundsätze zur gesundheitlichen Bewertung von Bauprodukten in Innenräumen, Stand	Draft Provisions for health assessment of construction products in indoor environments,

Notification / Decision No.	Title in original language	Title in English
	Oktober 2008	version of October 2008
2009-485-A	Richtlinie für Recycling-Baustoffe (8. Auflage)	Guideline for recycled building materials (8th edition)
2009-701-F	Décret no 2011-321 du 23 mars 2011 relatif à l'étiquetage des produits de construction ou de revêtement de mur ou de sol et des peintures et vernis sur leurs émissions de polluants volatils	Decree relating to the labelling of construction and decoration products with their volatile pollutant emissions
2009-702-F	Arrêté du 19 avril 2011 relatif à l'étiquetage des produits de construction ou de revêtement de mur ou de sol et des peintures et vernis sur leurs émissions de polluants volatils	Order relating to the labelling of construction and decoration products with their volatile pollutant emissions
2010-9016-N		Prohibition on lead in consumer products
2010-9017-N		Prohibition on Pentachlorophenol (PCP) in consumer products
2010-9018-N		Prohibition on MCCP in consumer products
2010-9019-N		Prohibition on Perfluorooctanoic acid (PFOA) in consumer products
1994/783/EC	Entscheidung der Kommission vom 14. September 1994 über das von Deutschland gemeldete Verbot von Pentachlorphenol (Nur der deutsche Text ist verbindlich)	Commission Decision 1994/783/EC of 14 September 1994 concerning the prohibition of PCP notified by the Federal Republic of Germany
1996/211/EC	Kommissionens beslutning af 26. februar 1996 om det af Danmark meddelte forbud mod pentachlorphenol (PCP) (Kun den danske udgave er autentisk) (Tekst af betydning for EØS)	Commission Decision 1996/211/EC of 26 February 1996 concerning the prohibition of pentachlorophenol (PCP) notified by Denmark
1999/831/EC	BESCHIKKING VAN DE COMMISSIE van 26 oktober 1999 inzake de kennisgeving door het Koninkrijk der Nederlanden van de nationale bepalingen inzake de beperking van het op de markt brengen en het gebruik van pentachloorfenol (PCP)	Commission Decision 1999/831/EC of 26 October 1999 concerning the national provisions notified by the Kingdom of the Netherlands concerning the limitations of the marketing and use of pentachlorophenol (PCP)
2003/549/EC	BESCHIKKING VAN DE COMMISSIE van 17 juli 2003 tot verlenging van de in artikel 95, lid 6, van het EG-Verdrag genoemde periode met betrekking tot de nationale bepalingen inzake het gebruik van kortketenige gechloreerde paraffines waarvan Nederland overeenkomstig artikel 95, lid 4, kennis heeft gegeven	Commission Decision 2003/549/EC 17 July 2003 extending the period referred to in Article 95(6) of the EC Treaty in relation to the national provisions on the use of short-chain chlorinated paraffins notified by the Netherlands under Article 95(4) of the EC Treaty
2004/1/EC	BESCHIKKING VAN DE COMMISSIE van 16 december 2003 betreffende nationale bepalingen inzake het gebruik van kortketenige gechloreerde paraffines waarvan het Koninkrijk der Nederlanden overeenkomstig artikel 95, lid 4, van het EG-Verdrag kennis heeft gegeven	Commission Decision 2004/1/EC of 16 December 2003 concerning national provisions on the use of short-chain chlorinated paraffins notified by the Kingdom of the Netherlands under Article 95(4) of the EC Treaty
2007/395/EC	BESCHIKKING VAN DE COMMISSIE van 7 juni 2007 betreffende nationale bepalingen inzake het gebruik van kortketenige gechloreerde paraffines waarvan het Koninkrijk der Nederlanden overeenkomstig artikel 95, lid 4, van het EG-Verdrag kennis heeft gegeven	Commission Decision 2007/395/EC of 7 June 2007 concerning national provisions on the use of short-chain chlorinated paraffins notified by the Kingdom of the Netherlands under Article 95(4) of the EC Treaty

ANNEXE III

REGLEMENTATIONS NOTIFIEES CONCERNANT L'EXIGENCE ESSENTIELLE N° 3 - CRITERES DE SELECTION POUR LES MANDATS CONFIES EN VERTU DE LA DPC/RPC EN MATIERE DE PRODUITS

PRINCIPES FONDAMENTAUX

En tant qu'instrument servant à supprimer les obstacles aux échanges, la DPC/RPC porte sur les exigences réglementaires en vigueur s'appliquant aux déclarations concernant les produits de construction et aux ouvrages de construction, associées à des mécanismes différents d'appréciation/évaluation des substances dangereuses. Les normes harmonisées doivent couvrir ces exigences et fournir à l'annexe ZA des références à des méthodes d'essai (déjà utilisées ou en cours d'élaboration au sein du comité technique 351 du CEN).

Les substances/matières et les paramètres (valeurs limites, telles que le pH, la conductivité, le COD, etc.) ont été sélectionnés dans le cadre des mandats liés à la DPC/RPC pour les raisons suivantes:

- ils obligent les fabricants et/ou les distributeurs à **déclarer les valeurs de performance des produits de construction ou de se conformer à certaines de ces valeurs** sur la base des méthodes d'essai ou de vérification existantes et pourraient donc être considérés comme constituant **d'éventuelles entraves aux échanges**[29]

- ils sont **réglementés et notifiés**[30] au niveau de l'UE ou au niveau national;

    - les exigences nationales, régionales ou locales **non notifiées** ou uniquement utilisées dans les appels d'offres publics et privés **ne sont pas prises en compte**.

[29] Le fait d'introduire des valeurs de performance spécifiques qui doivent être respectées par les fabricants, alors que les méthodes d'essais diffèrent considérablement d'un État membre à l'autre ou même à l'intérieur d'un État membre, pourrait créer des entraves au commerce.

[30] Bien que toutes les exigences réglementaires tombant sous le coup de la directive 98/34/CE adoptées après l'adhésion d'un État membre à l'UE soient censées avoir fait l'objet d'une notification, les réglementations nationales et régionales acceptées durant les négociations d'adhésion sont également couvertes par le premier point.

Les textes notifiés font parfois référence à des documents techniques d'orientation, qui définissent des valeurs limites pour les critères de performance d'un produit spécifique. Par conséquent, ces documents/exigences doivent tous être notifiés pour qu'il en soit tenu compte dans les travaux de normalisation en cours.

- Certaines notifications portent sur des spécifications techniques concernant des produits de construction utilisés pour des travaux publics. En général, il n'y a pas de différence entre organismes publics et privés sous-traitant des ouvrages de construction. Il est toutefois tenu compte de **situations de monopole** de fait précises (travaux publics de construction de routes), dans lesquelles des critères de performance clairs et implicites sont utilisés (valeurs limites pour des caractéristiques spécifiques).

- Certaines notifications portent sur des déclarations individuelles de fabricants fondées sur les déclarations concernant un projet spécifique (destiné à un usage précis) requises par les autorités nationales, régionales ou locales. Si elles ne **relèvent pas** d'une **situation de monopole** de fait précise, elles ne sont **pas prises en considération**.

- ces substances ou matières entrent dans la fabrication de produits de construction (intégrées dans les matières premières)

- ces substances ou matières pourraient être émises ou rejetées dans l'air intérieur par les produits de construction

- ces substances ou matières pourraient être libérées par des produits de construction dans le sol, les eaux de surface et les eaux souterraines

Source des informations

Base de données sur les substances dangereuses http://ec.europa.eu/enterprise/construction/cpd-ds/

Annexe II (liste indicative)

Annexe I: exigences spécifiques relatives aux produits couverts par chaque mandat spécifique