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Candidate List of Substances of Very High Concern for authorisation

The identification of a substance as Substance of Very High Concern and its inclusion in the Candidate List is the first step of the [authorisation procedure](#). Companies may have [immediate legal obligations](#) following such inclusion which are linked to the listed substance on its own, in preparations and articles.

Further documentation or more detailed information on the identification process of substances of very high concern can be found on the [web pages of ECHA Member State Committee](#).

You can download this Candidate List as XML or CSV file from the below links.

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






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Current number of substances in the Candidate List = 53

You can sort the Candidate List by clicking on the relevant heading

























Note: The EC number includes both anhydrous and hydrated forms of a substance and consequently the entries cover both these forms. The CAS number included may be for the anhydrous form only, and therefore the CAS number does not always describe the entry accurately.

Substance name	EC No.*	CAS No.*	Substance composition	Date of inclusion	Reason for inclusion	Supporting documentation	Decision number	IUCILD Substa Datasets
			Impurities (where relevant for C&L, PBT/vPvB)					
Cobalt dichloride	231-589-4	7646-79-9	-	20.06.2011 28.10.2008	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	(support doc.)	ED/31/2011 / ED/67/2008	(dat)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	-	20.06.2011 ..	Toxic for reproduction (article 57c)	(support doc.)	ED/31/2011	(dat)
1,2,3-Trichloropropane	202-486-1	96-18-4	-	20.06.2011 ..	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	(support doc.)	ED/31/2011	(dat)
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	-	20.06.2011 ..	Toxic for reproduction (article 57c)	(support doc.)	ED/31/2011	(dat)
Hydrazine	206-114-9	302-01-2 / 7803-57-8	-	20.06.2011 ..	Carcinogenic (article 57a)	(support doc.)	ED/31/2011	(dat)
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	-	20.06.2011 ..	Toxic for reproduction (article 57c)	(support doc.)	ED/31/2011	(dat)
Strontium chromate	232-142-6	7789-06-2	-	20.06.2011 ..	Carcinogenic (article 57a)	(support doc.)	ED/31/2011	(dat)
2-Ethoxyethyl acetate	203-839-2	111-15-9	-	20.06.2011 ..	Toxic for reproduction (article 57c)	(support doc.)	ED/31/2011	(dat)
Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 - 236-881-5	7738-94-5 - 13530-68-2	-	15.12.2010 ..	Carcinogenic (article 57a)	(support doc.)	ED/95/2010	(data) (data) 13530-
Chromium trioxide	215-607-8	1333-82-0	-	15.12.2010 ..	Carcinogenic and mutagenic (articles 57 a and 57 b)	(support doc.)	ED/95/2010	(dat)
2-Ethoxyethanol	203-804-1	110-80-5	-	15.12.2010 ..	Toxic for reproduction (article 57c)	(support doc.)	ED/95/2010	(dat)
2-Methoxyethanol	203-713-	109-86-4	-	15.12.2010	Toxic for reproduction	(support doc.)	ED/95/2010	(dat)

	7			..	reproduction (article 57c)	(support doc.)		
Cobalt(II) diacetate	200-71-48-755-8		-	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/95/2010	 (dat)
Cobalt(II) carbonate	208-513-79-169-4		-	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/95/2010	 (dat)
Cobalt(II) dinitrate	233-10141-402-05-61		-	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/95/2010	 (dat)
Cobalt(II) sulphate	233-10124-334-43-32		-	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/95/2010	 (dat)
Sodium chromate	231-7775-11-889-35		-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010	 (dat)
Potassium chromate	232-7789-00-140-65		-	18.06.2010	Carcinogenic and mutagenic (articles 57 a and 57 b).	 (support doc.)	ED/30/2010	 (dat)
Ammonium dichromate	232-7789-09-143-51		-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010	 (dat)
Potassium dichromate	231-7778-50-906-96		-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010	 (dat)
Tetraboron disodium heptaoxide, hydrate	235-12267-541-73-13		-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010	 (dat)
Disodium tetraborate, anhydrous	215-1303-96-540-4/1330-43-4/12179-04-3		-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010	 (dat)
Boric acid	233-10043-139-35-3/2/11113-234-50-1343-4		-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010	 (data 10043-11113-
Trichloroethylene	201-79-01-6167-4		-	18.06.2010	Carcinogenic (article 57 a)	 (support doc.)	ED/30/2010	 (dat)
Acrylamide	201-79-06-1173-7		-	30.03.2010	Carcinogenic and mutagenic (articles 57 a and 57 b)	 (support doc.)	ED/68/2009	 (dat)
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of 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, and fulfil the two following conditions: a) Al ₂ O ₃ , SiO ₂ and ZrO ₂ are present within the following concentration ranges:	-	Extracted from Index no. 650-017-00-8	-	13.01.2010	Carcinogenic (article 57a)	 (support doc.)	ED/68/2009	 (dat)

- Al_2O_3 : 35 – 36 %
w/w, and
- SiO_2 : 47.5 – 50 %
w/w, and
- ZrO_2 : 15 - 17 % w/w,

b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm).

Tris(2-chloroethyl) phosphate	204-118-5	115-96-8	-	13.01.2010	Toxic for reproduction (article 57c)	 (support doc.)	ED/68/2009	 (dat)
Pitch, coal tar, high temp.	266-028-2	65996-93-2	-	13.01.2010	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	-	13.01.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/68/2009	 (dat)
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	-	13.01.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/68/2009	 (dat)
Lead chromate	231-846-0	7758-97-6	-	13.01.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/68/2009	 (dat)
Diisobutyl phthalate	201-553-2	84-69-5	-	13.01.2010	Toxic for reproduction (article 57c)	 (support doc.)	ED/68/2009	 (dat)
Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	-	13.01.2010	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	-	13.01.2010	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Anthracene oil, anthracene paste	292-603-2	90640-81-6	-	13.01.2010	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Anthracene oil, anthracene-low	292-604-8	90640-82-7	-	13.01.2010	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Anthracene oil	292-602-7	90640-80-5	-	13.01.2010	Carcinogenic ¹ , PBT and vPvB (articles 57a, 57d and 57e)	 (support doc.)	ED/68/2009	 (dat)
Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of 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, and fulfil the two following conditions:</i>	-	Extracted from Index no.: 650-017-00-8	-	13.01.2010	Carcinogenic (article 57a)	 (support doc.)	ED/68/2009	 (dat)


































a) Al_2O_3 and SiO_2 are present within the following concentration ranges:

- Al_2O_3 : 43.5 – 47 % w/w, and SiO_2 : 49.5 – 53.5 % w/w,

or

- Al_2O_3 : 45.5 – 50.5 % w/w, and SiO_2 : 48.5 – 54 % w/w,

b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm).

2,4-Dinitrotoluene	204-450-0	121-14-2	-	13.01.2010	Carcinogenic (article 57a)	 (support doc.)	ED/68/2009	 (dat
Triethyl arsenate	427-700-2	15606-95-8	-	28.10.2008	Carcinogenic (article 57a)	 (annex XV rep.)	ED/67/2008	 (dat
Sodium dichromate	234-190-3	7789-12-0/10588-01-9	-	28.10.2008	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)	 (support doc.)	ED/67/2008	 (dat
Lead hydrogen arsenate	232-064-2	7784-40-9	-	28.10.2008	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	 (support doc.)	ED/67/2008	 (dat
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	247-148-4	25637-99-4 and 3194-55-6	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008	 (data 25637-3194-!
Alpha-hexabromocyclododecane	221-695-9	(134237-50-6)						 (data 134237
Beta-hexabromocyclododecane		(134237-51-7)						 (data 134237
Gamma-hexabromocyclododecane		(134237-52-8)						 (data 134237
Dibutyl phthalate (DBP)	201-557-4	84-74-2	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008	 (dat
Diarsenic trioxide	215-481-4	1327-53-3	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008	 (dat
Diarsenic pentaoxide	215-116-9	1303-28-2	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008	 (dat
Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008	 (dat
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008	 (dat
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008	 (dat
Anthracene	204-371-1	120-12-7	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008	 (dat
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	-	28.10.2008	PBT and vPvB (articles 57 d and 57 e)	 (support doc.)	ED/67/2008	 (dat
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	-	28.10.2008	vPvB (article 57e)	 (support doc.)	ED/67/2008	 (dat
4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008	 (dat

*)The EC number includes both anhydrous and hydrated forms of a substance and consequently the entries cover both these forms. The CAS number included may be for the anhydro

only, and therefore the CAS number shown does not always describe the entry accurately.

***)These are partly pre-filled substance data sets in IUCLID 5.3 format. They are provided as a support for importers or producers of articles preparing notifications for substances in art notifying company remains, however, solely responsible for the appropriateness and correctness of the information submitted in the notification.

- 1) The substance does not meet the criteria for identification as a carcinogen in situations where it contains less than 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5)
- 2) The substance does not meet the criteria for identification as a carcinogen in situations where it contains less than 0.005 % (w/w) benzo[a]pyrene (EINECS No 200-028-5) and less than 0.1 % w/w benzene (EINECS No 200-753-7).]
- 3) The substance does not meet the criteria for identification as a mutagen in situations where it contains less than 0,1 % w/w benzene (EINECS No 200-753-7).]

Updated on 20/06/2011

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