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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's Member State Committee](#).

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

Substance name	EC No.	CAS No.	Substance composition	Date of inclusion	Reason for inclusion	Supporting documentation	Decision number
			Impurities (where relevant for C&L, PBT/vPvB)				
2,4-Dinitrotoluene	204-450-0	121-14-2	-	13.01.2010	Carcinogenic (article 57a)	 (support doc.)	ED/68/2009
4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008
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
Acrylamide	201-173-7	79-06-1	-	30.03.2010	Carcinogenic and mutagenic (articles 57 a and 57 b)	 (support doc.)	ED/68/2009
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
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
<ul style="list-style-type: none"> <i>Al₂O₃: 43.5 – 47 % w/w, and SiO₂: 49.5 – 53.5 % w/w,</i> <p>or</p> <ul style="list-style-type: none"> <i>Al₂O₃: 45.5 – 50.5 % w/w, and SiO₂: 48.5 – 54 % w/w,</i> <p><i>b) fibres have a length weighted geometric mean</i></p>							

<i>diameter less two standard geometric errors of 6 or less micrometres (μm).</i>							
Ammonium dichromate	232-143-1	7789-09-5	-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010
Anthracene	204-371-1	120-12-7	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008
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
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
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
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
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
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008
Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008
Boric acid	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1	-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010
Cobalt dichloride	231-589-4	7646-79-9	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008
Diarsenic pentaoxide	215-116-9	1303-28-2	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008
Diarsenic trioxide	215-481-4	1327-53-3	-	28.10.2008	Carcinogenic (article 57a)	 (support doc.)	ED/67/2008
Dibutyl phthalate (DBP)	201-557-4	84-74-2	-	28.10.2008	Toxic for reproduction (article 57c)	 (support doc.)	ED/67/2008
Diisobutyl phthalate	201-553-2	84-69-5	-	13.01.2010	Toxic for reproduction (article 57c)	 (support doc.)	ED/68/2009
Disodium tetraborate, anhydrous	215-540-4	1303-96-4/ 1330-43-4/ 12179-04-3	-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010

Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	247-148-4 and 221-695-9 (134237-50-6)	25637-99-4	-	28.10.2008	PBT (article 57d)	 (support doc.)	ED/67/2008
Alpha-hexabromocyclododecane	221-695-9 (134237-50-6)						
Beta-hexabromocyclododecane	(134237-51-7)						
Gamma-hexabromocyclododecane	(134237-52-8)						
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
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
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
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
Pitch, coal tar, high temp.	266-028-2	-	-	13.01.2010	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)	 (support doc.)	ED/68/2009
Potassium chromate	232-140-5	7789-00-6	-	18.06.2010	Carcinogenic and mutagenic (articles 57 a and 57 b).	 (support doc.)	ED/30/2010
Potassium dichromate	231-906-6	7778-50-9	-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010
Sodium chromate	231-889-5	7775-11-3	-	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	 (support doc.)	ED/30/2010
Sodium dichromate	234-190-3 (7789-12-0 and 10588-01-9)	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
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	-	18.06.2010	Toxic for reproduction (article 57 c)	 (support doc.)	ED/30/2010
Trichloroethylene	201-167-4	79-01-6	-	18.06.2010	Carcinogenic (article 57 a)	 (support doc.)	ED/30/2010
Triethyl arsenate	427-700-2	15606-95-8	-	28.10.2008	Carcinogenic (article 57a)	 (annex XV rep.)	ED/67/2008
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	-	13.01.2010	Toxic for reproduction (article 57c)	 (support doc.)	ED/68/2009
Zirconia Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-</i>	-	Extracted from Index no. 650-017-	-	13.01.2010	Carcinogenic (article 57a)	 (support doc.)	ED/68/2009

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_2O_3 , SiO_2 and ZrO_2 are present within the following concentration ranges:

- 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).

00-8

- 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).]

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