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Certificate of REACH Compliance

This letter certifies that all parts (articles) manufactured by Johanson Dielectrics meet the requirements for REACH and do not contain any of the SVHC chemicals listed.

Substance name	EC (CAS No.)	Date of inclusion	Reason for inclusion
2,4-Dinitrotoluene	204-450-0	13.01.2010	Carcinogenic (article 57a)
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	28.10.2008	Carcinogenic (article 57a)
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	28.10.2008	vPvB (article 57e)
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	28.10.2008	PBT and vPvB (article 57d - e)
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 <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> are present within the following concentration ranges:  Al <sub>2</sub> O <sub>3</sub> : 43.5 – 47 % w/w, and SiO <sub>2</sub> : 49.5 – 53.5 % w/w or Al <sub>2</sub> O <sub>3</sub> : 45.5 – 50.5 % w/w, and SiO <sub>2</sub> : 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).	-	13.01.2010	Carcinogenic (article 57a)
Anthracene	204-371-1	28.10.2008	PBT (article 57d)
Anthracene oil	292-602-7	13.01.2010	Carcinogenic1), PBT and vPvB (articles 57a, 57d and 57e)
Anthracene oil, anthracene paste	292-603-2	13.01.2010	Carcinogenic2), mutagenic3), PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	13.01.2010	Carcinogenic2), mutagenic3), PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste, distn. lights	295-278-5	13.01.2010	Carcinogenic2), mutagenic3), PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene-low	292-604-8	13.01.2010	Carcinogenic2), mutagenic3), PBT and vPvB (articles 57a, 57b, 57d and 57e)
Benzyl butyl phthalate (BBP)	201-622-7	28.10.2008	Toxic for reproduction (article 57c)
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	28.10.2008	Toxic for reproduction (article 57c)
Bis(tributyltin)oxide (TBTO)	200-268-0	28.10.2008	PBT (article 57d)
Cobalt dichloride	231-589-4	28.10.2008	Carcinogenic (article 57a)
Diarsenic pentaoxide	215-116-9	28.10.2008	Carcinogenic (article 57a)
Diarsenic trioxide	215-481-4	28.10.2008	Carcinogenic (article 57a)
Dibutyl phthalate (DBP)	201-657-4	28.10.2008	Toxic for reproduction (article 57c)
Diisobutyl phthalate	201-563-2	13.01.2010	Toxic for reproduction (article 57c)
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:  Alpha-hexabromocyclododecane  Beta-hexabromocyclododecane  Gamma-hexabromocyclododecane	247-148-4 and 221-695-9 (134237-50-6) (134237-51-7) (134237-52-8)	28.10.2008	PBT (article 57d)

Substance name	EC (CAS No.)	Date of inclusion	Reason for inclusion	Decision number
Lead chromate	231-846-0	13.01.2010	Carcinogenic and toxic for reproduction (articles 57a and c)	ED/68/2009
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	13.01.2010	Carcinogenic and toxic for reproduction (articles 57a and c)	ED/68/2009
Lead hydrogen arsenate	232-064-2	28.10.2008	Carcinogenic and toxic for reproduction (articles 57a and c)	ED/67/2008
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	13.01.2010	Carcinogenic and toxic for reproduction (articles 57a and c)	ED/68/2009
Pitch, coal tar, high temp.	266-028-2	13.01.2010	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)	ED/68/2009
Sodium dichromate	234-190-3 (7789-12-0 and 10588-01-9)	28.10.2008	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)	ED/67/2008
Triethyl arsenate	427-700-2	28.10.2008	Carcinogenic (article 57a)	ED/67/2008
Tris(2-chloroethyl)phosphate	204-118-5	13.01.2010	Toxic for reproduction (article 57c)	ED/68/2009
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 <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> and ZrO <sub>2</sub> are present within the following concentration ranges: Al <sub>2</sub> O <sub>3</sub> : 35 – 36 % w/w, and SiO <sub>2</sub> : 47.5 – 50 % w/w, and ZrO <sub>2</sub> : 15 - 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).	-	13.01.2010	Carcinogenic (article 57a)	ED/68/2009
Acrylamide	201-173-7	03.30.10	Carcinogenic, Mutagenic (article 57a & b)	ED/68/2009
Trichloroethylene	201-167-4	06.18.10	Carcinogenic (article 57 a)	
Boric acid	233-139-2 and 234-343-4	06.18.10	Toxic for reproduction (article 57 c)	ED/30/2010
Disodium tetraborate, anhydrous	215-540-4	06.18.10	Toxic for reproduction (article 57 c)	ED/30/2010
Tetaboron disodium heptaoxide, hydrate	235-541-3	06.18.10	Toxic for reproduction (article 57 c)	ED/30/2010
Potassium chromate	232-140-5	06.18.10	Carcinogenic and mutagenic (articles 57 a and 57 b).	ED/30/2010
Ammonium dichromate	232-143-1	06.18.10	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	ED/30/2010
Potassium dichromate	231-906-6	06.18.10	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	ED/30/2010
sodium chromate	231-889-5	06.18.10	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)	ED/30/2010

Regards,

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