

December 2010

# Substances of Very High Concern

## “Articles”

EU Regulation No 1907/2006 on the:  
**Registration, Evaluation, Authorisation and Restriction of Chemicals**

Tata Steel Europe takes the implementation of REACH seriously. Authorisation is a major part of REACH in which we have identified the need to communicate openly and positively with our suppliers and customers.

Under REACH, the steel products Tata Steel Europe supplies to its customers and downstream users are designated as articles<sup>1</sup>. This statement applies to those steel products designated as articles under REACH that Tata Steel Europe currently supplies to customers and downstream users.

In December 2010 the European Chemicals Agency (ECHA) published an update of the Candidate list of Substances of Very High Concern (SVHC) (see Appendix 1) subject to the authorisation process.

Article 33 of REACH obliges suppliers of articles containing SVHC in a concentration greater than 0.1%w/w to communicate this information with their customers.

Tata Steel Europe has identified that Lead chromate (231-846-0), Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (235-759-9) and Lead sulfochromate yellow (C.I. Pigment Yellow 34) (215-693-7) are present in a very limited number of Colorcoat products in concentrations >0.1% w/w. Colorcoat products are generally supplied through the Tata Steel Colors business unit.

Your Colors business commercial contacts will contact the small number of relevant customers with more details. There is no issue with on-going supply of these products, which are still available. Tata Steel Colors are working on an active substitution program to remove these substances from their Colorcoat products in the coming 2-3 years.

None of 46 substances in the SVHC Candidate list are present in a concentration above 0.1% w/w in any of the **other steel articles** we supply with respect to our other business units.

ECHA have indicated in their draft guidance document on substances in articles that with regards to the presence of SVHC in an article it applies to the whole article. When Tata Steel Europe communicates with its customers and downstream users regarding the presence of SVHC in articles it supplies, Tata Steel Europe will use this definition “0.1% w/w of the whole article”.

Tata Steel Europe will continue to monitor the SVHC Candidate list and update customers and downstream users where relevant. We hope you have found this update helpful. It is the intention of REACH to stimulate communication on substances along the supply chain. If you require any further information please contact your local Commercial / Technical / REACH contact.

<sup>1</sup> Steel Articles are defined as first cast products, which are not re-melted for further processing. Ingots that are cast to be re-melted are defined as preparations under REACH. Please see Eurofer position paper for further reference (Eurofer website)

## Appendix 1 – Candidate List for Substances of Very High Concern for Authorisation

(Substances marked blue are >0.1% w/w)

Substance name	EC (CAS No.)	Date of inclusion	Reason for inclusion	Decision number
2,4-Dinitrotoluene	204-450-0	13.01.2010	Carcinogenic (article 57a)	ED/68/2009
2-Ethoxyethanol	203-804-1	15.12.2010	Toxic for reproduction (article 57c)	ED/95/2010
2-Methoxyethanol	203-713-7	15.12.2010	Toxic for reproduction (article 57c)	ED/95/2010
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	28.10.2008	Carcinogenic (article 57a)	ED/67/2008
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	28.10.2008	vPvB (article 57e)	ED/67/2008
Acrylamide	201-173-7	30.03.2010	Carcinogenic & mutagenic (articles 57a and b)	ED/68/2009
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	28.10.2008	PBT and vPvB (article 57d - e)	ED/67/2008
Aluminosilicate Refractory Ceramic Fibres	-	13.01.2010	Carcinogenic (article 57a)	ED/68/2009
Ammonium dichromate	232-143-1	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b & 57 c)	ED/30/2010
Anthracene	204-371-1	28.10.2008	PBT (article 57d)	ED/67/2008
Anthracene oil	292-602-7	13.01.2010	Carcinogenic <sup>1)</sup> , PBT and vPvB (articles 57a, 57d and 57e)	ED/68/2009
Anthracene oil, anthracene paste	292-603-2	13.01.2010	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (art 57a, 57b, 57d and 57e)	ED/68/2009
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	13.01.2010	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (art 57a, 57b, 57d and 57e)	ED/68/2009
Anthracene oil, anthracene paste, distr. lights	295-278-5	13.01.2010	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (art 57a, 57b, 57d and 57e)	ED/68/2009
Anthracene oil, anthracene-low	292-604-8	13.01.2010	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (art 57a, 57b, 57d and 57e)	ED/68/2009
Benzyl butyl phthalate (BBP)	201-622-7	28.10.2008	Toxic for reproduction (art57c)	ED/67/2008
Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	28.10.2008	Toxic for reproduction (art57c)	ED/67/2008
Bis (tributyltin) oxide (TBTO)	200-268-0	28.10.2008	PBT (article 57d)	ED/67/2008
Boric acid	233-139-2 234-343-4	18.06.2010	Toxic for reproduction (article 57 c)	ED/30/2010
Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	15.12.2010	Carcinogenic (article 57a)	ED/95/2010
Chromium trioxide	215-607-8	15.12.2010	Carcinogenic and mutagenic (articles 57 a and 57 b)	ED/95/2010
Cobalt dichloride	231-589-4	28.10.2008	Carcinogenic (article 57a)	ED/67/2008

Substance name	EC (CAS No.)	Date of inclusion	Reason for inclusion	Decision number
Cobalt(II) carbonate	208-169-4	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	ED/95/2010
Cobalt(II) diacetate	200-755-8	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	ED/95/2010
Cobalt(II) dinitrate	233-402-1	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	ED/95/2010
Cobalt(II) sulphate	233-334-2	15.12.2010	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)	ED/95/2010
Diarsenic pentaoxide	215-116-9	28.10.2008	Carcinogenic (article 57a)	ED/67/2008
Diarsenic trioxide	215-481-4	28.10.2008	Carcinogenic (article 57a)	ED/67/2008
Dibutyl phthalate (DBP)	201-557-4	28.10.2008	Toxic for reproduction (art57c)	ED/67/2008
Diisobutyl phthalate	201-553-2	13.01.2010	Toxic for reproduction (art57c)	ED/68/2009
Disodium tetraborate, anhydrous	215-540-4	18.06.2010	Toxic for reproduction (article 57 c)	ED/30/2010
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)	ED/67/2008
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
Potassium chromate	232-140-5	18.06.2010	Carcinogenic and mutagenic (articles 57 a and 57 b)	ED/30/2010
Potassium dichromate	231-906-6	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b & 57 c)	ED/30/2010
Sodium chromate	231-889-5	18.06.2010	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b & 57 c)	ED/30/2010
Sodium dichromate	234-190-3 (7789-12-0 and 10588-01-9)	28.10.2008	Carcinogenic, mutagenic and toxic for reproduction (art 57a, 57b and 57c)	ED/67/2008
Tetraboron disodium heptaoxide, hydrate	235-541-3	18.06.2010	Toxic for reproduction (article 57 c)	ED/30/2010
Trichloroethylene	201-167-4	18.06.2010	Carcinogenic (article 57 a)	ED/30/2010
Triethyl arsenate	427-700-2	28.10.2008	Carcinogenic (article 57a)	ED/67/2008

<b>Substance name</b>	<b>EC (CAS No.)</b>	<b>Date of inclusion</b>	<b>Reason for inclusion</b>	<b>Decision number</b>
Tris (2-chloroethyl) phosphate	204-118-5	13.01.2010	Toxic for reproduction (art57c)	ED/68/2009
Zirconia Aluminosilicate Refractory Ceramic Fibres	-	13.01.2010	Carcinogenic (article 57a)	ED/68/2009
<i>Updated on 22/12/2010</i>				

The candidate list can also be accessed using this link:

[http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)