STATEMENT FOR LEAD PIGMENT

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of the Chemicals (REACH) requires for example that information of certain Substances of Very High Concern (SVHC) is communicated in the supply chain when it is over 0.1% in the article, preparation or substance. For further information please visit SVHC candidate obligations and SVHC candidate list.

Lead chromate, lead sulfochromate yellow (C.I. Pigment Yellow 34) and lead chromate molybdate sulphate red (C.I. Pigment Red 104) have been placed on the candidate list of SVHC on 13th January, 2010 due to the identification as carcinogenic and toxic for reproduction substances.

Lead cyanamidate ; Lead monoxide ; Lead tetroxide; Lead titanium trioxide; Pyrochlore, antimony lead yellow and Trilead bis(carbonate)dihydroxide have been placed on the candidate list of SVHC on 19th December, 2012 due to the identification as toxic to reproduction substances.

Pigment red 104 and pigment yellow 34 can be considered borderline between a "well defined substance" and an "UVCB substance" (substances of Unknown or Variable composition, Complex reaction products or Biological materials) under REACH regulation, with a variable concentration range of lead chromate, lead sulfate and lead molybdate, respectively. Literature mainly identifies them as UVCB substances.

There are currently no international test standards available to identify and determine quantitatively the amounts of these 8 SVHC present in consumer products finished articles. After careful consideration of ECHA requirements and thorough research, a SGS in-house screening method has been developed by checking the presence of lead, chromium(VI), molybdenum, titanium and antimony in the samples. This approach is confirmed as valid according to the recommendation from the ECHA helpdesk. However, due to the fact that the source of these elements cannot be categorically identified, the amounts of lead pigment compounds present are therefore based on calculation. For the sake of maximum security the calculation is based on the worst-case scenario for each individual compound and the reported values should be regarded as for reference only.

Whenever there is a positive finding, clients are advised to review the chemical formulation as well as related production process in order to ascertain the material of concern which is present in the article. We would like to inform you that there may be further obligations in connection with REACH for placing articles containing >0.1% SVHC on the markets of EU members states. Please contact reach@sgs.com for further information.

SGS GLOBAL REACH AND RSTS TEAM

Date of preparation: 02nd January 2015

SUBSTANCE NAME	EC NUMBER	CAS NUMBER
Lead chromate	231-846-0	7758-97-6
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-9
Lead cyanamidate	244-073-9	20837-86-9
Lead monoxide	215-267-0	1317-36-8
Lead tetroxide	215-235-6	1314-41-6
Lead titanium trioxide	235-038-9	12060-00-3
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6