



**Statement on REACH Articles Provisions from Texas Instruments,
Integrated Circuit Products**

This document outlines Texas Instruments (TI)'s current understanding of obligations for communication of substances of very high concern in articles and disclosure of TI's actions to appropriately address such requirements.

With regard to the Substances of Very High Concern (SVHC) candidate list published on the European Chemicals Agency (ECHA) website, based on information from our suppliers and internal chemical screening processes TI products do not contain any of the SVHC candidates listed herein above the regulatory threshold of 0.1% in TI Integrated Circuit (IC) devices or development vehicles such as evaluation modules. TI is currently engaging with its suppliers to obtain additional information and assurances. As the ECHA SVHC list is updated, TI will provide information to its customers in a timely manner concerning their use or non-use within finished IC products through TI's product content database (www.ti.com/eco-info).

In the past, TI used Cobalt Dichloride (CoCl₂) (CAS # 7646-79-9) at a concentration of approximately 0.15% to detect humidity in our product packaging. TI no longer uses CoCl₂ but some of the product we have in our distribution centers still contain this chemical. The boxes of TI product that contain a CoCl₂ HIC card are marked to identify this substance.

List of SVHC candidates as of January 5, 2012:

Substance name	CAS or EC number	Identification as a Basis for SVHC
Triethyl Arsenate	427-700-2	Carcinogenic, article 57a
Anthracene	204-371-1	PBT, article 57d
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	Carcinogenic, article 57a
Dibutyl phthalate	201-557-4	Toxic for reproduction, article 57c
Cobalt dichloride	231-589-4	Carcinogenic and toxic for reproduction, article 57a & 57c
Diarsenic pentaoxide	215-116-9	Carcinogenic, article 57a
Diarsenic trioxide	215-481-4	Carcinogenic, article 57a
Sodium dichromate	234-190-3 (7789-12-0 10588-01-9)	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	vPvB, article 57e
Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	Toxic for reproduction, article 57c
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β- HBCDD, γ- HBCDD)	247-148-4 and 221-695-9 (134237-50-6, 134237-51-7, 134237-52-8)	PBT, article 57d
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	PBT and vPvB, article 57d & e
Bis(tributyltin)oxide	200-268-0	PBT, article 57d
Lead hydrogen arsenate	232-064-2	Carcinogenic and toxic for reproduction, article 57a & 57c
Benzyl butyl phthalate	201-622-7	Toxic for reproduction, article 57c
Anthracene oil	292-602-7	Carcinogenic, PBT and vPvB, articles a, d & e

Anthracene oil, anthracene paste, distr. lights *	295-278-5	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e
Anthracene oil, anthracene-low	292-604-8	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e
Anthracene oil, anthracene paste	292-603-2	Carcinogenic, Mutagenic, PBT and vPvB, articles a, b, d & e
Coal tar pitch, high temperature	266-028-2	Carcinogenic, PBT and vPvB, articles a, d & e
Acrylamide	201-173-7	Carcinogenic and mutagenic, article 57a & 57b
Aluminosilicate, Refractory Ceramic Fibres	EC 650-017- 00-8	Carcinogenic, article 57a
Zirconia Aluminosilicate, Refractory Ceramic Fibres	EC 650-017- 00-8	Carcinogenic, article 57a
2,4-Dinitrotoluene	204-450-0	Carcinogenic, article 57a
Diisobutyl phthalate	201-557-4	Toxic for reproduction, article 57c
Lead chromate	231-846-0	Carcinogenic and toxic for reproduction, article 57a & 57c
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	Carcinogenic and toxic for reproduction, article 57a & 57c
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	Carcinogenic, toxic for reproduction, article 57a & 57c
Tris(2-chloroethyl)phosphate	204-118-5	Toxic for reproduction, article 57c
Trichloroethylene	201-167-4	Carcinogenic, article 57a
Boric Acid	233-139-2, 234-343-4	Toxic for reproduction, article 57c
Disodium Tetraborate, anhydrous	215-540-4	Toxic for reproduction, article 57c
Tetraboron disodium heptaoxide, hydrate	235-541-3	Toxic for reproduction, article 57c
Potassium dichromate	231-906-6	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c
Ammonium dichromate	232-143-1	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c
Potassium chromate	232-140-5	Carcinogenic, mutagenic , article 57a & 57b
Sodium chromate	231-889-5	Carcinogenic, mutagenic and toxic for reproduction, article 57a, 57b & 57c
Chromium trioxide	215-607-8	Carcinogenic and mutagenic, article 57a & 57b
Chromic acid, Oligomers of Chromic acid and dichromic acid, dichromic acid	231-801-5, 236-881-5	Carcinogenic, article 57a
Cobalt (II) sulphate	233-334-2	Carcinogenic and toxic for reproduction, article 57a & 57c
Cobalt (II) dinitrate	233-402-1	Carcinogenic and toxic for reproduction, article 57a & 57C
Cobalt (II) carbonate	208-169-4	Carcinogenic and toxic for reproduction, article 57a & 57C
Cobalt (II) diacetate	200-755-8	Carcinogenic and toxic for reproduction, article 57a & 57C
2-methoxyethanol	203-713-7	Toxic for reproduction, article 57c
2-ethoxyethanol	203-804-1	Toxic for reproduction, article 57c
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	Toxic for reproduction, article 57c
1,2,3-Trichloropropane	202-486-1	Carcinogenic and toxic for reproduction, article 57a & 57C

1-Methyl-2-pyrrolidone	212-828-1	Toxic for reproduction, article 57c
Hydrazine	206-114-9	Carcinogenic, article 57a
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	Toxic for reproduction, article 57c
Strontium chromate	232-142-6	Carcinogenic, article 57a
2-Ethoxyethyl acetate	203-839-2	Toxic for reproduction, article 57c
Zirconia Aluminosilicate Refractory Ceramic Fibres		Carcinogenic, article 57 a
Calcium arsenate	231-904-5	Carcinogenic, article 57 a
Bis(2-methoxyethyl) ether	203-924-4	Toxic for reproduction, article 57c
Aluminosilicate Refractory Ceramic Fibres		Carcinogenic, article 57 a
Potassium hydroxyoctaoxidizincatedichromate	234-329-8	Carcinogenic, article 57 a
Lead dipicrate	229-335-2	Toxic for reproduction, article 57c
N,N-dimethylacetamide	204-826-4	Toxic for reproduction, article 57c
Arsenic acid	231-901-9	Carcinogenic, article 57 a
2-Methoxyaniline; o-Anisidine	201-963-1	Carcinogenic, article 57 a
Trilead diarsenate	222-979-5	Carcinogenic and toxic for reproduction, article 57a & 57C
1,2-dichloroethane	203-458-1	Carcinogenic, article 57 a
Pentazinc chromate octahydroxide	256-418-0	Carcinogenic, article 57 a
Formaldehyde, oligomeric reaction products with aniline	500-036-1	Carcinogenic, article 57 a
Bis(2-methoxyethyl) phthalate	204-212-6	Toxic for reproduction, article 57c
4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	Equivalent level of concern having probable serious effects to the environment, article 57 f
Lead diazide, Lead azide	236-542-1	Toxic for reproduction, article 57c
Phenolphthalein	201-004-7	Carcinogenic, article 57 a
Dichromium tris(chromate)	246-356-2	Carcinogenic, article 57 a
Lead styphnate	239-290-0	Toxic for reproduction, article 57c
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	Carcinogenic, article 57 a

TI has taken and continues to take commercially reasonable steps to provide representative and accurate information concerning the application of REACH on TI IC products and development vehicles. TI relies on information from third parties, including suppliers and may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI's standard warranty and limitation of liability provisions of TI's Standard Terms and Conditions (available at: <http://www.ti.com/sc/docs/stdterms.htm>) apply to the representations herein unless otherwise provided by a written contract or other agreement signed by the parties.

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