

**TOREX Semiconductor Ltd.**

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## Certificate of EU REACH Compliance

We hereby assure that all products from TOREX do not contain any of the REACH Substances of Very High Concern (SVHC), as specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

### Candidate List of Substances of Very High Concern (Oct. 28, 2008)

No.	Substance name	EC No.	CAS No.
1	Anthracene	204-371-1	120-12-7
2	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9
3	Dibutyl phthalate (DBP)	201-557-4	84-74-2
4	Diarsenic pentaoxide	215-116-9	1303-28-2
5	Diarsenic trioxide	215-481-4	1327-53-3
6	Sodium dichromate	234-190-3	7789-12-0 / 10588-01-9
7	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2
8	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7
9	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	247-148-4 and 221-695-9	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)
10	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
11	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9
12	Lead hydrogen arsenate	232-064-2	7784-40-9
13	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
14	Triethyl arsenate	427-700-2	15606-95-8

### Candidate List of Substances of Very High Concern (Jan. 13, 2010)

No.	Substance name	EC No.	CAS No.
15	2,4-Dinitrotoluene	204-450-0	121-14-2
16	Anthracene oil	292-602-7	90640-80-5
17	Anthracene oil, anthracene paste, distr. lights	295-278-5	91995-17-4
18	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6
21	Diisobutyl phthalate	201-553-2	84-69-5
22	Aluminosilicate, Refractory Ceramic Fibres	-	Extracted from Index no. 650-017-00-8
23	Ziconia Aluminosilicate, Refractory Ceramic Fibres	-	Extracted from Index no. 650-017-00-8
24	Lead chromate	231-846-0	7758-97-6
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
27	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8
28	Pitch, coal tar high temp.	266-028-2	65996-93-2

## Candidate List of Substances of Very High Concern (Mar. 30, 2010)

No.	Substance name	EC No.	CAS No.
29	Acrylamide	201-173-7	79-06-1

## Candidate List of Substances of Very High Concern (June 18, 2010)

No.	Substance name	EC No.	CAS No.
30	Trichloroethylene	201-167-4	79-01-6
31	Boric acid	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1
32	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 / 1330-43-4 / 12179-04-3
33	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
34	Sodium chromate	231-889-5	7775-11-3
35	Potassium chromate	232-140-5	7789-00-6
36	Ammonium dichromate	232-143-1	7789-09-5
37	Potassium dichromate	231-906-6	7778-50-9

## Candidate List of Substances of Very High Concern (Dec. 15, 2010)

No.	Substance name	EC No.	CAS No.
38	Cobalt (II) sulphate	233-334-2	10124-43-3
39	Cobalt (II) dinitrate	233-402-1	10141-05-6
40	Cobalt (II) carbonate	208-169-4	513-79-1
41	Cobalt (II) diacetate	200-755-8	71-48-7
42	2-Methoxyethanol	203-713-7	109-86-4
43	2-Ethoxyethanol	203-804-1	110-80-5
44	Chromium trioxide	215-607-8	1333-82-0
45	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2

## Candidate List of Substances of Very High Concern (June 20, 2011)

No.	Substance name	EC No.	CAS No.
46	Cobalt dichloride	231-589-4	7646-79-9
47	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
48	1,2,3-Trichloropropane	202-486-1	96-18-4
49	1-Methyl-2-pyrrolidone	212-828-1	872-50-4
50	Hydrazine	206-114-9	302-01-2 / 7803-57-8
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
52	Strontium chromate	232-142-6	7789-06-2
53	2-Ethoxyethyl acetate	203-839-2	111-15-9

## Candidate List of Substances of Very High Concern (Dec. 19, 2011)

No.	Substance name	EC No.	CAS No.
54	Zirconia Aluminosilicate Refractory Ceramic Fibres		
55	Calcium arsenate	231-904-5	7778-44-1
56	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
57	Aluminosilicate Refractory Ceramic Fibres		
58	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
59	Lead dipicrate	229-335-2	6477-64-1
60	N,N-dimethylacetamide	204-826-4	127-19-5
61	Arsenic acid	231-901-9	7778-39-4
62	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
63	Trilead diarsenate	222-979-5	3687-31-8
64	1,2-dichloroethane	203-458-1	107-06-2
65	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
66	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
67	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
68	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
69	Lead diazide, Lead azide	236-542-1	13424-46-9
70	Lead styphnate	239-290-0	15245-44-0
71	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4
72	Phenolphthalein	201-004-7	77-09-8
73	Dichromium tris(chromate)	246-356-2	24613-89-6

(as of Dec. 22, 2011)

A list of all Substances of Very High Concern is available here:

[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)



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