



August 1, 2012

Guarantee of Information Disclosure Requirements for Substances of Very High Concern (SVHC) under EU REACH (Registration, Evaluation, Authorization of Chemicals)

To Our Valued Customers:

Zywyn Corporation hereby warrants and guarantees that all of our GREEN products, made for or delivered to your company directly or indirectly by our company and the manufacturing processing flow, are free from the specific substances in IC products that are compliant to the latest 86 REACH SVHC requirements as stated below:

No	SVHC Substance Name	CAS No.	EC No.
1	Anthracene	120-12-7	204-371-1
2	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4
3	Dibutyl phthalate (DBP)	84-74-2	201-557-4
4	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
5	Bis (2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0
6	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4
7	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4	247-148-4 and 221-695-9 (134237-50-6, 134237-51-7,134237-52-8)
8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
9	Bis(tributyltin)oxide	56-35-9	200-268-0
10	Cobalt dichloride	7646-79-9	231-589-4
11	Diarsenic pentaoxide	1303-28-2	215-116-9
12	Diarsenic trioxide	1327-53-3	215-481-4
13	Triethyl arsenate	15606-95-8	427-700-2
14	Lead hydrogen arsenate	7784-40-9	232-064-2
15	Sodium dichromate	7789-12-0 10588-01-09	234-190-3
16	Anthracene oil	90640-80-5	292-602-7
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2
21	Pitch, coal tar, high-temp.	65996-93-2	266-028-2
22	Aluminosilicate, Refractory Ceramic Fibres	142844-006	650-017-00-8
23	Zirconia Aluminosilicate, Refractory Ceramic	-	650-017-00-8
24	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2
25	2,4-Dinitrotoluene	121-14-2	204-450-0
26	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5
27	Lead chromate	7758-97-6	231-846-0
28	Lead chromate molybdate sulphate red	12656-85-8	235-759-9
29	Lead sulfochromate yellow	1344-37-2	215-693-7

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30	Acrylamide	79-06-1	201-173-7
31	Sodium chromate	7775-11-3	231-889-5
32	Ammonium dichromate	7789-09-5	232-143-1
33	Potassium dichromate	7778-50-9	231-906-6
34	Potassium chromate	7789-00-6	232-140-5
35	Boric acid	10043-35-3; 11113-50-1	234-343-4 233-139-2
36	disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4
37	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
38	Trichloroethylene	79-01-6	201-167-4
39	Cobalt(II) sulphate	10124-43-3	233-334-2
40	Cobalt(II) dinitrate	10141-05-6	233-402-1
41	Cobalt(II) carbonate	513-79-1	208-169-4
42	Cobalt(II) diacetate	71-48-7	200-755-8
43	2-Methoxyethanol	109-86-4	203-713-7
44	2-Ethoxyethanol	110-80-5	203-804-1
45	Chromium trioxide	1333-82-0	215-607-8
46	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5
47	2-ethoxyethylacetate	111-15-9	203-839-2
48	Strontium chromate	7789-06-2	232-142-6
49	1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6
50	Hydrazine	7803-57-8 302-01-2	206-114-9
51	1-methyl-2-pyrrolidone	872-50-4	212-828-1
52	1,2,3-trichloropropane	96-18-4	202-486-1
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1
54	Dichromium tris(chromate)	24613-89-6	246-356-2
55	Potassiumhydroxyoctaoxidizncatedi-chromate	11103-86-9	234-329-8
56	Pentazinc chromate octahydroxide	49663-84-5	256-418-0
57	Aluminosilicate Refractory CeramicFibres (RCF)		
58	Zirconia Aluminosilicate RefractoryCeramic Fibres(Zr-RCF)		
59	Formaldehyde,oligomeric reactionproducts with aniline (tehcniclMDA)	25214-70-4	500-036-1
60	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6
61	2-Methoxyaniline;o-Anisidine	90-04-0	201-963-1
62	4-(1,1,3,3-tetramethylbutyl)phenol,(4-tert-Octylphenol)	140-66-9	205-426-2
63	1,2-Dichloroethane	107-06-2	203-458-1
64	Bis(2-methoxyethyl) ether	111-96-6	203-924-4
65	Arsenic acid	7778-39-4	231-901-9

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66	Calcium arsenate	7778-44-1	231-904-5
67	Trilead diarsenate	3687-31-8	222-979-5
68	N,N-dimethylacetamide(DMAC)	127-19-5	204-826-4
69	2,2'-dichloro-4,4'-methylenedianiline(MOCA)	101-14-4	202-918-9
70	Phenolphthalein	77-09-08	201-004-7
71	Lead azide Lead diazide	13424-46-9	236-542-1
72	Lead styphnate	15245-44-0	239-290-0
73	Lead dipicrate	6477-64-1	229-335-2
74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
76	Diboron trioxide	215-125-8	1303-86-2
77	Formamide	200-842-0	75-12-7
78	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
79	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	219-514-3	2451-62-9
80	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6
81	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
83	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9
84	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5
85	α, α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0
86	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1

This information represents the best of Zywyn's knowledge and belief as of to-date that it is provided. Zywyn acknowledges the material content on information provided by appointed supplying vendors. We have taken records, measures, and will continue to take commercially reasonable steps to provide representative and accurate information, but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. Zywyn and our appointed material supplying vendors have considered that certain information is proprietary, thus the CAS numbers and other sensitive information may not be available for release.

Zywyn provides product warranty on the material content representations in the Zywyn Environmental Declaration Statement on Pb-Free & RoHS Compliancy document, which can be found at <http://www.zywyn.com/files/Zywyn-Environmental-Declaration.jpg>.

Zywyn Quality & Assurance Group