



August 3, 2011

To Whom It May Concern:

Subject: REACH Regulations, http://echa.europa.eu/reach_en.asp

The European Union Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Directive has become of significant interest to our customers. DDi considers manufactured Printed Circuit Boards (PCBs) to be an "article" per REACH, Article 3(3); thus, exempt from the REACH Regulations, unless;

1. DDi ships an article to the EU that exceeds a SVHC (Substance of Very High Concern) concentration of 0.1% w/w. , or
2. Greater than one metric ton per year is intended to be released under normal or reasonably foreseeable conditions of use.

On June 30, 2008, the European Chemicals Agency (ECHA) issued for consultation its first set of candidates for evaluation. The sixteen substances nominated for inclusion on the candidate list are shown in the 2008 column of the table stated below. On September 1, 2009, the European Chemicals Agency (ECHA) issued fifteen new Potential Substances of Very High Concern for proposed consideration to the Candidate List and is shown below in the 2009 column. On March 2010, eight new substances were added to the Candidate List for consideration, as indicated in the 2010 column. On December 31, 2010 eight new were added, as indicated in the 2010 column. On June 20, 2011 eight new substances were added, as indicated in the 2011 column.

Candidate List Table

• 2008 List	• 2009 List	• 2010 List	• 2011 List
Anthracene (CAS# 120-12-7)	Anthracene oil (CAS# 90640-80-5)	Trichloroethylene (CAS# 79-01-6)	Cobalt dichloride (CAS# 7646-79-9)
4,4'-diaminodiphenylmethane (CAS# 101-77-9)	Anthracene oil, anthracene paste, distin. Lights (CAS# 91995-17-4)	Boric Acid (CAS# 10043-35-3 / 11113-50- 1)	1,2Benzenedicarboxylic acid (CAS# 71888-89-6)
Dibutyl phthalate (CAS# 84-74-2)	Anthracene oil, anthracene paste, anthracene fraction (CAS# 91995-15-2)	Disodium tetraborate anhydrous (CAS# 1330-43-4)	1,2,3-Trichloropropane (CAS# 96-18-4)
Benzyl butyl phthalate (CAS# 85-68-7)	Anthracene oil, anthracene-low distin. (CAS# 90640-82-7)	Tetraboron disodium heptaoxide, hydrate (CAS# 12267-73-1)	1-Methyl-2-pyrrolidone (CAS# 872-50-4)
Cyclododecane (CAS# 3194-55-6)	Anthracene oil, anthracene paste, (CAS# 90640-81-6)	Sodium Chromate (CAS# 7775-11-3)	Hydrazine (CAS# 302-01-2 / 7803-57-8)
Cobalt dichloride (CAS# 7646-79-9)	Coal tar pitch, high temperature (CAS# 65996-93-2)	Potassium Chromate (CAS# 7789-00-6)	1,2Benzenedicarboxylic acid (CAS# 68515-42-4)
Diarsenic pentoxide (CAS# 1303-28-2)	Acrylamide (CAS# 79-06-1)	Ammonium dichromate (CAS# 7789-09-5)	Strontium chromate (CAS# 7789-06-2)
Diarsenic trioxide (CAS# 1327-53-3)	Alumimiosilicate, Refractory Ceramic Fibers (CAS# Not Defined)	Potassium dichromate (CAS# 7778-50-9)	2-Ethoxyethyl acetate (CAS# 111-15-9)
Sodium dichromate, dehydrate (CAS# 7789-12-0/ 10588-01-9)	Zirconia Aluminosilicate, Refractory Ceramic Fibers (CAS# Not Defined)	Cobalt(II) sulphate (CAS# 10124-43-3)	
Musk xylene (CAS# 81-15-2)	2,4-Dinitrotoluene (CAS# 121-14-2)	Cobalt(II) dinitrate (CAS# 10141-05-06)	
Bis (2-ethyl(hexyl)phthalate (CAS# 117-81-7)	Diisobutyl phthalate (CAS# 84-69-5)	Cobalt(II) carbonate (CAS# 513-79-1)	



Candidate List Table (Continued)

• 2008 List	• 2009 List	• 2010 List	• 2011 List
Hexabromocyclododecane (CAS#s 25637-99-4)	Lead chromate * (CAS# 7758-97-6)	Cobalt(II) diacetate (CAS# 71-48-7)	
C10-C13 chlorinated paraffins (CAS# 85535-84-8)	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (CAS# 12656-85-8)	2-Methoxyethanol (CAS# 109-86-4)	
Bis (tributyltin) oxide (CAS# 56-35-9)	Lead sulfochromate yellow (C.I. Pigment Yellow 34) (CAS# 1344-37-2)	2-Ethoxyethanol (CAS# 110-80-5)	
Lead hydrogen arsenate (CAS# 7784-40-9)	Tris (2-chloroethyl) phosphate (CAS# 115-96-8)	Chromium trioxide (CAS# 1333-82-0)	
Triethyl arsenate (CAS# 15606- 95-8)	Arsenic acid and its salts (CLP Index #033-005-001) **	Chromic acid, Oligomers of chromic acid and dichromic acid (CAS# 7738-94-5)	

* DDi Exception: Lead chromate is evident in trace amounts for special Silkscreen Legend ink used for specific Aerospace customers.

** DDi Exception: Arsenic is present in copper foil at approximately 110 ppm, used as stain blocker.

DDi believes that these substances are not contained within our manufactured “articles” (PCBs), with the exceptions as pointed out in the above footnote. Furthermore, such chemicals are not intended to be released under normal and reasonable foreseeable conditions of use; therefore, these substances are not required to be registered or pre-registered with the European Chemical Agency (ECHA).

DDi is working with all of its vendors to ensure that each of them is in compliance with the REACH Regulation.

Sincerely,

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