

June 16, 2015

Dear Customer:

International Rectifier Corporation supports the European Union (EU) REACH (Registration, **E**valuation, **A**uthorization and Restriction of **C**hemicals) Regulation, which is consistent with our own commitment to promote the responsible manufacturing, use and handling of chemicals.

After careful review of the legislation and specifically the definition of an "article", as defined in regulation (EC) No 1907/2006, Title II, Chapter 1, Article 7.1(a) & (b), it is International Rectifier's current view that the products sold to you would be considered as "articles". Furthermore, the definition in § 7.1(b) requires registration of an article only if it contains a regulated substance that "is intended to be released under normal or reasonably foreseeable conditions of use". As such, International Rectifier Corporation products do not constitute articles for regulation based on their intended and anticipated use.

Additionally, International Rectifier Corporation products and packaging do not contain any of Substances of Very High Concern (SVHC) as defined in Article 33 (1) & (2) "Substances of Very High Concern" EC Title VII, Chapter 1, Article 57.

We are providing our suppliers with written notice of the new provisions of REACH. We are also advising of the importance of the compulsory registration of all substances that are sold, imported, manufactured or used in quantities exceeding one ton per year, in order to continue to operate legally within the European Union.

Should you require further information or have any questions, please do not hesitate to contact International Rectifier by E-Mail at [Contractreview@irf.com](mailto:Contractreview@irf.com) referencing REACH in the Subject Line.

Regards,



Jeff Gould  
Director  
WW Strategic Sourcing



Tak-Kei Chan  
Sr. VP  
WW Quality

Substance Name	CAS Number	Date of inclusion
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0* 272-013-1* 68515-51-5 68648-93-1	6/15/2015
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	6/15/2015
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	12/17/2014
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	12/17/2014
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	12/17/2014
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	12/17/2014
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	12/17/2014
Cadmium fluoride	7790-79-6	12/17/2014
Cadmium sulphate	10124-36-4,31119-53-6	12/17/2014
Cadmium chloride	10108-64-2	6/16/2014
Sodium peroxometaborate	7632-04-4	6/16/2014
Sodium perborate; perboric acid, sodium salt	239-172-9*; 234-390-0*	6/16/2014
1,2-Benzenedicarboxylic acid, dihexyl ester	68515-50-4	6/16/2014
Cadmium	7440-43-9	6/20/2013
Cadmium Oxide	1306-19-0	6/20/2013
Ammonium pentadecafluorooctanoate	3825-26-1	6/20/2013
Pentadecafluorooctanoic acid (PFOA)	335-67-1	6/20/2013
Dipentyl phthalate (DPP)	131-18-0	6/20/2013
4-Nonylphenol, branched and linear, ethoxylated		6/20/2013
Cadmium sulphide	1306-23-6	12/16/2013
Disodium 4-amino-3	1937-37-7	12/16/2013
Dihexyl phthalate	84-75-3	12/16/2013
Imidazolidine-2-thione	96-45-7	12/16/2013
Trixylyl phosphate	25155-23-1	12/16/2013
Disodium 3,3'	573-58-0	12/16/2013
Lead di(acetate)	301-04-02	12/16/2013
Lead titanium zirconium oxide	12626-81-2	12/19/2012
Lead monoxide (lead oxide)	1317-36-8	12/19/2012
o-Toluidine	95-53-4	12/19/2012
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	12/19/2012

Substance Name	CAS Number	Date of inclusion
Silicic acid, barium salt (1:1), lead-doped	68784-75-8	12/19/2012
Trilead bis(carbonate)dihydroxide	1319-46-6	12/19/2012
Furan	110-00-9	12/19/2012
N,N-dimethylformamide	68-12-2	12/19/2012
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated		12/19/2012
4-Nonylphenol, branched and linear		12/19/2012
4,4'-methylenedi-o-toluidine	838-88-0	12/19/2012
Diethyl sulphate	64-67-5	12/19/2012
Dimethyl sulphate	77-78-1	12/19/2012
Lead oxide sulfate	12036-76-9	12/19/2012
Lead titanium trioxide	12060-00-3	12/19/2012
Acetic acid, lead salt, basic	51404-69-4	12/19/2012
[Phthalato(2-)]dioxotrilead	69011-06-9	12/19/2012
Bis(pentabromophenyl) ether (decabromodiphenyl ether)	1163-19-5	12/19/2012
N-methylacetamide	79-16-3	12/19/2012
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	12/19/2012
1,2-Diethoxyethane	629-14-1	12/19/2012
Tetralead trioxide sulphate	12202-17-4	12/19/2012
N-pentyl-isopentylphthalate	776297-69-9	12/19/2012
Dioxobis(stearato)trilead	12578-12-0	12/19/2012
Tetraethyllead	78-00-2	12/19/2012
Pentalead tetraoxide sulphate	12065-90-6	12/19/2012
Pentacosafuorotridecanoic acid	72629-94-8	12/19/2012
Tricosafuorododecanoic acid	307-55-1	12/19/2012
Heptacosafuorotetradecanoic acid	376-06-7	12/19/2012
1-bromopropane (n-propyl bromide)	106-94-5	12/19/2012
Methoxyacetic acid	625-45-6	12/19/2012
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	12/19/2012
Methyloxirane (Propylene oxide)	75-56-9	12/19/2012
Trilead dioxide phosphonate	12141-20-7	12/19/2012
o-aminoazotoluene	97-56-3	12/19/2012
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	12/19/2012
4,4'-oxydianiline and its salts	101-80-4	12/19/2012
Orange lead (lead tetroxide)	1314-41-6	12/19/2012
Biphenyl-4-ylamine	92-67-1	12/19/2012
Diisopentylphthalate	605-50-5	12/19/2012
Fatty acids, C16-18, lead salts	91031-62-8	12/19/2012
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	12/19/2012
Sulfurous acid, lead salt, dibasic	62229-08-7	12/19/2012

Substance Name	CAS Number	Date of inclusion
Lead cyanamidate	20837-86-9	12/19/2012
Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol	6786-83-0	6/18/2012
N,N,N',N'-tetramethyl-4,4'-methylenedianiline	101-61-1	6/18/2012
1,3,5-tris[-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	59653-74-6	6/18/2012
Diboron trioxide	1303-86-2	6/18/2012
1,2-bis(2-methoxyethoxy)ethane (TEGDME)	112-49-2	6/18/2012
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	6/18/2012
Lead(II) bis(methanesulfonate)	17570-76-2	6/18/2012
Formamide	75-12-7	6/18/2012
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]	548-62-9	6/18/2012
1,2-dimethoxyethane	110-71-4	6/18/2012
[4-[[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride	2580-56-5	6/18/2012
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	6/18/2012
4,4'-bis(dimethylamino)benzophenone	90-94-8	6/18/2012
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	12/19/2011
N,N-dimethylacetamide	127-19-5	12/19/2011
Phenolphthalein	77-09-8	12/19/2011
Lead diazide, Lead azide	13424-46-9	12/19/2011
Lead dipicrate	6477-64-1	12/19/2011
1,2-dichloroethane	107-06-2	12/19/2011
Calcium arsenate	7778-44-1	12/19/2011
Dichromium tris(chromate)	24613-89-6	12/19/2011
2-Methoxyaniline	90-04-0	12/19/2011
Pentazinc chromate octahydroxide	49663-84-5	12/19/2011
Arsenic acid	7778-39-4	12/19/2011
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	12/19/2011
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	12/19/2011
Lead styphnate	15245-44-0	12/19/2011
Trilead diarsenate	3687-31-8	12/19/2011
Zirconia Aluminosilicate Refractory Ceramic Fibres		12/19/2011
Bis(2-methoxyethyl) phthalate	117-82-8	12/19/2011
Aluminosilicate Refractory Ceramic Fibres		12/19/2011
Bis(2-methoxyethyl) ether	111-96-6	12/19/2011
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	12/19/2011
Cobalt dichloride	7646-79-9	6/20/2011
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	6/20/2011
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	6/20/2011

Substance Name	CAS Number	Date of inclusion
Strontium chromate	7789-06-2	6/20/2011
1-Methyl-2-pyrrolidone	872-50-4	6/20/2011
1,2,3-Trichloropropane	96-18-4	6/20/2011
2-Ethoxyethyl acetate	111-15-9	6/20/2011
Hydrazine	302-01-2 7803-57-8	6/20/2011
Cobalt(II) diacetate	71-48-7	12/15/2010
Cobalt(II) sulphate	10124-43-3	12/15/2010
2-Ethoxyethanol	110-80-5	12/15/2010
Acids generated from chromium trioxide and their oligomers.	7738-94-5, 13530-68-2	12/15/2010
2-Methoxyethanol	109-86-4	12/15/2010
Chromium trioxide	1333-82-0	12/15/2010
Cobalt(II) carbonate	513-79-1	12/15/2010
Cobalt(II) dinitrate	10141-05-6	12/15/2010
Trichloroethylene	79-01-6	6/18/2010
Potassium dichromate	7778-50-9	6/18/2010
Tetraboron disodium heptaoxide, hydrate	12267-73-1	6/18/2010
Ammonium dichromate	7789-09-5	6/18/2010
Boric acid	10043-35-3 11113-50-1	6/18/2010
Sodium chromate	7775-11-3	6/18/2010
Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	6/18/2010
Potassium chromate	7789-00-6	6/18/2010
Acrylamide	79-06-1	3/30/2010
Lead sulfochromate yellow	1344-37-2	1/13/2010
Lead chromate molybdate sulphate red	12656-85-8	1/13/2010
Anthracene oil	90640-80-5	1/13/2010
2,4-Dinitrotoluene	121-14-2	1/13/2010
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1/13/2010
Anthracene oil, anthracene-low	90640-82-7	1/13/2010
Tris(2-chloroethyl)phosphate	115-96-8	1/13/2010
Diisobutyl phthalate	84-69-5	1/13/2010
Lead chromate	7758-97-6	1/13/2010
Anthracene oil, anthracene paste	90640-81-6	1/13/2010
Pitch, coal tar, high temp.	65996-93-2	1/13/2010
Anthracene oil, anthracene paste, distn. lights	91995-17-4	1/13/2010
Lead hydrogen arsenate	7784-40-9	10/28/2008
Benzyl butyl phthalate (BBP)	85-68-7	10/28/2008
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	10/28/2008

# International Rectifier

101 N. Sepulveda Blvd., El Segundo, CA 90245 USA Telephone: +1 310 726 8000 [www.irf.com](http://www.irf.com)

Substance Name	CAS Number	Date of inclusion
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	10/28/2008
Diarsenic trioxide	1327-53-3	10/28/2008
Bis(tributyltin)oxide (TBTO)	56-35-9	10/28/2008
Triethyl arsenate	15606-95-8	10/28/2008
Diarsenic pentaoxide	1303-28-2	10/28/2008
Sodium dichromate	7789-12-0 10588-01-9	10/28/2008
Dibutyl phthalate (DBP)	84-74-2	10/28/2008
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	10/28/2008
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	10/28/2008
Anthracene	120-12-7	10/28/2008
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6	10/28/2008

\*EC Number