

**WIZnet Co., Ltd**

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- **Date:** Issued on July 2<sup>nd</sup>, 2009 / Updated on October 1<sup>st</sup>, 2011
- **To :** All Concerned Partners
- **Subject :** Statement on REACH Provisions from WIZnet Inc, Integrated Circuit Products

To ensure a common approach toward the legal obligations and timelines under the European Union's REACH Community Regulation (Registration, Evaluation, Authorization and Restriction of Chemical substances, EC 1907/2006), global Semiconductor device manufacturers have developed a clear common statement concerning REACH and its impact on the industry. WIZnet Inc has participated in the development of this common understanding and has been preparing both our company and our supply chain for the requirement under REACH. We are actively monitoring the specifics of the REACH requirements and how such requirements apply to our operations.

With regard to the 53 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 WIZnet does not use any of the 53 chemicals listed to manufacture IC devices. As this list is updated, WIZnet will provide information to our customers in a timely manner concerning their use or non-use within finished IC products.

Substance Name	EC No.	CAS No	Reason for inclusion
Cobalt dichloride	231-589-4	7646-79-9	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	Toxic for reproduction (article 57c)
1,2,3-Trichloropropane	202-486-1	96-18-4	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	Toxic for reproduction (article 57c)
Hydrazine	206-114-9	302-01-2 / 7803-57-8	Carcinogenic (article 57a)
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	Toxic for reproduction (article 57c)
Strontium chromate	232-142-6	7789-06-2	Carcinogenic (article 57a)
2-Ethoxyethyl acetate	203-839-2	111-15-9	Toxic for reproduction (article 57c)

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Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 - 236-881-5	7738-94-5 - 13530-68-2	Carcinogenic (article 57a)
Chromium trioxide	215-607-8	1333-82-0	Carcinogenic and mutagenic (articles 57 a and 57 b)
2-Ethoxyethanol	203-804-1	110-80-5	Toxic for reproduction (article 57c)
2-Methoxyethanol	203-713-7	109-86-4	Toxic for reproduction (article 57c)
Cobalt(II) diacetate	200-755-8	71-48-7	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt(II) carbonate	208-169-4	513-79-1	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt(II) dinitrate	233-402-1	10141-05-6	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt(II) sulphate	233-334-2	10124-43-3	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Sodium chromate	231-889-5	7775-11-3	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Potassium chromate	232-140-5	7789-00-6	Carcinogenic and mutagenic (articles 57 a and 57 b).
Ammonium dichromate	232-143-1	7789-09-5	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Potassium dichromate	231-906-6	7778-50-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	Toxic for reproduction (article 57 c)
Disodium tetraborate, anhydrous	215-540-4	1303-96-4/ 1330- 43-4/ 12179-04-3	Toxic for reproduction (article 57 c)

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Boric acid	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1	Toxic for reproduction (article 57 c)
Trichloroethylene	201-167-4	79-01-6	Carcinogenic (article 57 a)
Acrylamide	201-173-7	79-06-1	Carcinogenic and mutagenic (articles 57 a and 57 b)
Zirconia Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:</i> <i>a) Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub> and ZrO<sub>2</sub> are present within the following concentration ranges:</i>  <ul style="list-style-type: none"> <li>• Al<sub>2</sub>O<sub>3</sub>: 35 – 36 % w/w, and</li> <li>• SiO<sub>2</sub>: 47.5 – 50 % w/w, and</li> <li>• ZrO<sub>2</sub>: 15 - 17 % w/w,</li> </ul> <i>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).</i>	-	Extracted from Index no. 650-017-00-8	Carcinogenic (article 57a)
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	Toxic for reproduction (article 57c)
Pitch, coal tar, high temp.	266-028-2	65996-93-2	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	Carcinogenic and toxic for reproduction (articles 57 a and 57 c))
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Lead chromate	231-846-0	7758-97-6	Carcinogenic and toxic for reproduction

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			(articles 57 a and 57 c)
Diisobutyl phthalate	201-553-2	84-69-5	Toxic for reproduction (article 57c)
Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste	292-603-2	90640-81-6	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene-low	292-604-8	90640-82-7	Carcinogenic <sup>2)</sup> , mutagenic <sup>3)</sup> , PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil	292-602-7	90640-80-5	Carcinogenic <sup>1)</sup> , PBT and vPvB (articles 57a, 57d and 57e)
<p>Aluminosilicate Refractory Ceramic Fibres <i>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:</i></p> <ul style="list-style-type: none"> <li>• <i>Al<sub>2</sub>O<sub>3</sub>: 43.5 – 47 % w/w, and SiO<sub>2</sub>: 49.5 – 53.5 % w/w,</i></li> </ul> <p><i>or</i></p> <ul style="list-style-type: none"> <li>• <i>Al<sub>2</sub>O<sub>3</sub>: 45.5 – 50.5 % w/w, and SiO<sub>2</sub>: 48.5 – 54 % w/w,</i></li> </ul> <p><i>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).</i></p>	-	Extracted from Index no.: 650-017-00-8	Carcinogenic (article 57a)
2,4-Dinitrotoluene	204-450-0	121-14-2	Carcinogenic (article 57a)

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Triethyl arsenate	427-700-2	15606-95-8	Carcinogenic (article 57a)
Sodium dichromate	234-190-3	7789-12-0/ 10588-01-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)
Lead hydrogen arsenate	232-064-2	7784-40-9	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	PBT (article 57d)
Dibutyl phthalate (DBP)	201-557-4	84-74-2	Toxic for reproduction (article 57c)
Diarsenic trioxide	215-481-4	1327-53-3	Carcinogenic (article 57a)
Diarsenic pentaoxide	215-116-9	1303-28-2	Carcinogenic (article 57a)
Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	PBT (article 57d)
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	Toxic for reproduction (article 57c)
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	Toxic for reproduction (article 57c)
Anthracene	204-371-1	120-12-7	PBT (article 57d)
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	PBT and vPvB (articles 57 d and 57 e)
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	vPvB (article 57e)
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	Carcinogenic (article 57a)

Sincerely yours



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 Yun Bong Lee  
 CEO/President WIZnet, Inc.