

## REACH Compliance Declaration

We hereby declare that all materials, components, delivered to customer shall conform strictly to the specifications in the Very High Concern (SVHC) in view of Regulation 1907/2006/EC (REACH), except customer special requirements.

SVHC list is based on the publication by European Chemicals Agency (ECHA)

<https://echa.europa.eu/web/guest/candidate-list-table>

This list is under evaluation by (ECHA) and may subject to change in the future.

P-DUKE's products are considered articles as defined in REACH Article 3 (3).

These products under normal and reasonable conditions of use do not have intended release of Substances, therefore the requirement in REACH Article 7 (1) (b) for registration of substances contained in these products does not apply.

P-DUKE's products do not contain Substances of Very High Concern or if there are SVHC in the product, the content is less than the 0.1% (wt/wt) as defined by REACH Article 57, Annex XIV, Directive 67/548/EEC. Therefore the requirement in REACH Article 7 (2) to notify ECHA if a product contains more than 0.1% wt/wt of an SVHC and tonnage exceeding 1 ton per importer per year is not applicable.

P-DUKE do not manufacture or import chemicals, therefore P-DUKE has no obligation to register substances.

Jan. 24, 2018

Date of Issue

P-DUKE Technology Co., Ltd.



QA Dept. Manager

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No.	Substance	EC No.	CAS No.
1	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7
2	Diarsenic pentaoxide	215-116-9	1303-28-2
3	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)
4	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
5	Lead hydrogen arsenate	232-064-2	7784-40-9
6	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
7	Anthracene	204-371-1	120-12-7
8	Diarsenic trioxide	215-481-4	1327-53-3
9	Dibutyl phthalate (DBP)	201-557-4	84-74-2
10	Triethyl arsenate	427-700-2	15606-95-8
11	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9
12	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9
13	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2
14	Sodium dichromate	234-190-3	7789-12-0 10588-01-9
15	Anthracene oil, anthracene paste	292-603-2	90640-81-6
16	Diisobutyl phthalate	201-553-2	84-69-5
17	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
19	Pitch, coal tar, high temperature	266-028-2	65996-93-2
20	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable	-	-

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	concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight		
21	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight	-	-
22	Diisobutyl phthalate	292-602-7	90640-80-5
23	Anthracene oil, anthracene paste, distn. lights	295-275-9	91995-15-2
24	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	204-118-5	115-96-8
25	Pitch, coal tar, high temperature	204-450-0	121-14-2
26	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ). c) alkaline oxide and	292-604-8	90640-82-7

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	alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight		
27	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	231-846-0	7758-97-6
28	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
29	Acrylamide	201-173-7	79-06-1
30	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1
31	Potassium chromate	232-140-5	7789-00-6
32	Sodium chromate	231-889-5	7775-11-3
33	Trichloroethylene	201-167-4	79-01-6
34	Ammonium dichromate	232-143-1	7789-09-5
35	Potassium dichromate	231-906-6	7778-50-9
36	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1
37	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 1330-43-4 12179-04-3
38	2-Ethoxyethanol	203-804-1	110-80-5
39	Cobalt(II) sulphate	233-334-2	10124-43-3
40	Cobalt(II) dinitrate	233-402-1	10141-05-6
41	Chromium trioxide	215-607-8	1333-82-0

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42	2-Methoxyethanol	203-713-7	109-86-4
43	Cobalt(II) diacetate	200-755-8	71-48-7
44	Cobalt(II) carbonate	208-169-4	513-79-1
45	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6
47	2-Ethoxyethyl acetate	203-839-2	111-15-9
48	Strontium chromate	232-142-6	7789-06-2
49	Hydrazine	206-114-9	302-01-2 7803-57-8
50	1-Methyl-2-pyrrolidone	212-828-1	872-50-4
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
52	1,2,3-Trichloropropane	202-486-1	96-18-4
53	Cobalt dichloride	231-589-4	7646-79-9
54	Dichromium tris(chromate)	246-356-2	24613-89-6
55	Phenolphthalein	201-004-7	77-09-8
56	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4
57	Lead styphnate	239-290-0	15245-44-0
58	Lead azide, Lead diazide	236-542-1	13424-46-9
59	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
60	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
61	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
62	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
63	1,2-dichloroethane	203-458-1	107-06-2
64	Trilead diarsenate	222-979-5	3687-31-8

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65	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
66	Arsenic acid	231-901-9	7778-39-4
67	N,N-dimethylacetamide	204-826-4	127-19-5
68	Lead dipicrate	229-335-2	6477-64-1
69	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9
70	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
71	Calcium arsenate	231-904-5	7778-44-1
72	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9
74	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
76	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9
77	Formamide	200-842-0	75-12-7
78	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
79	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1
80	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
81	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	423-400-0	59653-74-6
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
83	$\alpha, \alpha$ -Bis[4-(dimethylamino)phenyl]-4	229-851-8	6786-83-0

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	(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		
84	Diboron trioxide	215-125-8	1303-86-2
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
87	Henicosafluoroundecanoic acid	218-165-4	2058-94-8
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0 19438-60-9 48122-14-1 57110-29-9
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3 14166-21-3
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5
92	Lead dinitrate	233-245-9	10099-74-8
93	Silicic acid, lead salt	234-363-3	11120-22-2
94	4-Aminoazobenzene	200-453-6	60-09-3
95	Lead titanium zirconium oxide	235-727-4	12626-81-2
96	Lead monoxide (lead oxide)	215-267-0	1317-36-8
97	o-Toluidine	202-429-0	95-53-4
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
99	Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of	272-271-5	68784-75-8

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	the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]		
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6
101	Furan	203-727-3	110-00-9
102	N,N-dimethylformamide	200-679-5	68-12-2
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]		
104	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
105	Diethyl sulphate	200-589-6	64-67-5
106	Dimethyl sulphate	201-058-1	77-78-1
107	Lead oxide sulfate	234-853-7	12036-76-9
108	Lead titanium trioxide	235-038-9	12060-00-3
109	Acetic acid, lead salt, basic	257-175-3	51404-69-4
110	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
112	N-methylacetamide	201-182-6	79-16-3
113	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
114	1,2-Diethoxyethane	211-076-1	629-14-1
115	Tetralead trioxide sulphate	235-380-9	12202-17-4
116	N-pentyl-isopentylphthalate		776297-69-9
117	Dioxobis(stearato)trilead	235-702-8	12578-12-0
118	Tetraethyllead	201-075-4	78-00-2
119	Pentalead tetraoxide sulphate	235-067-7	12065-90-6
120	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8
121	Tricosafuorododecanoic acid	206-203-2	307-55-1
122	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7
123	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
124	Methoxyacetic acid	210-894-6	625-45-6
125	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
126	Methyloxirane (Propylene oxide)	200-879-2	75-56-9



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127	Trilead dioxide phosphonate	235-252-2	12141-20-7
128	o-aminoazotoluene	202-591-2	97-56-3
129	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
130	4,4'-oxydianiline and its salts	202-977-0	101-80-4
131	Orange lead (lead tetroxide)	215-235-6	1314-41-6
132	Biphenyl-4-ylamine	202-177-1	92-67-1
133	Diisopentylphthalate	210-088-4	605-50-5
134	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
135	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
136	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
137	Lead cyanamidate	244-073-9	20837-86-9
138	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]		
139	Cadmium	231-152-8	7440-43-9
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1
141	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
142	Dipentyl phthalate (DPP)	205-017-9	131-18-0
143	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]		
144	Cadmium oxide	215-146-2	1306-19-0
145	Cadmium sulphide	215-147-8	1306-23-6
146	Dihexyl phthalate	201-559-5	84-75-3
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0

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148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7
150	Lead di(acetate)	206-104-4	310-04-2
151	Trixylyl phosphate	246-677-8	25155-23-1
152	Cadmium chloride	233-296-7	10108-64-2
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
154	Sodium peroxometaborate	231-556-4	7632-04-4
155	Sodium perborate; perboric acid, sodium salt	239-172-9 234-390-0	
156	Cadmium fluoride	232-222-0	7790-79-6
157	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
159	2-(2H-benzotriazol-2-yl)-4,6-ditertbutylphenol (UV-328)	247-384-8	25973-55-1
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1
161	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-oxo	-	-
162	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
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3		

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	-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]		
164	1,3-propanesultone	214-317-9	1120-71-4
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3
167	Nitrobenzene	202-716-0	98-95-3
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4
169	Benzo[def]chrysene	200-028-5	50-32-8
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]		
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	- 206-400-3 221-470-5	3108-42-7 335-76-2 3830-45-3
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	206-587-1	355-46-4
175	Benz[a]anthracene	200-280-6	56-55-3 1718-53-2
176	Cadmium carbonate	208-168-9	513-78-0
177	Cadmium hydroxide	244-168-5	21041-95-2
178	Cadmium nitrate	233-710-6	10022-68-1 10325-94-7
179	Chrysene	205-923-4	218-01-9

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			1719-03-5
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	-
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-