



## NANYA Statement for the Compliance of Non-Use of Hazardous Substances

NDCE-0005-2/Ver.2

We, Nanya Technology Corporation, to the best of our knowledge, as of the date indicated at the last line of this Page, declare that the HSF product provided by Nanya Technology Corporation (hereinafter referred to as “Product”) conforms to:

The Disclosure Requirements of the European Union’s Directive for Substances of Very High Concern (SVHC) under **REACH (Registration, Evaluation, Authorization of Chemicals) Regulation (1907/2006EC)** (hereinafter referred to as “REACH Directive”);

This Statement is based on our understanding of the REACH Directive (1907/2006EC) and our knowledge of the materials that are used in the Product as of the date of this Statement are restricted to used **less than 0.1% by weight** of the table below.

\* **REMARK:** We represent that the information provided herein is the best of our knowledge and belief true as of the date indicated at the last line of this Statement, and make no warranty as to the accuracy of such information. In addition, as the information is based upon data provided from sources outside of Nanya Technology Corporation, we make no representation or warranty as to the accuracy of such information. The Statement does not extend to, or apply to any Product subjected to unintended contamination, misuse, neglect, accident, improper installation, or to use in violation of instructions furnished by us. We continue to work toward obtaining valid and certifiable third party information, but have not conducted analytical or chemical analyses on all materials or purchased components. We shall not be liable for any indirect, special, incidental, consequential or other exemplary damages arising out of this Statement.

Date: June 27<sup>th</sup>, 2018



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Item	Substance Name	CAS No.	EC No.	Remark
1	Triethyl arsenate	15605-95-8	427-700-2	REACH SVHC 1.0
2	Anthracene	120-12-7	204-371-1	
3	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	
5	Cobalt dichloride	7646-79-9	231-589-4	
6	Diarsenic pentaoxide	1303-28-2	215-116-9	
7	Diarsenic trioxide	1327-53-3	215-481-4	
8	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	
10	Bis (2-ethylhexyl)phthalate(DEHP)	117-81-7	204-211-0	
11	Hexabromocyclododecane (HBCDD) - Alpha-hexabromocyclododecane - Beta-hexabromocyclododecane - Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 - 134237-51-7 - 134237-50-6 - 134237-52-8	247-148-4 221-695-9	
12	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	
13	Lead hydrogen arsenate	7784-40-9	232-064-2	
14	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	

(Published Date: 2008/10/28)



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Item	Substance Name	CAS No.	EC No.	Remark
16	Anthracene oil	90640-80-5	292-602-7	REACH SVHC 2.0
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	Diisobutyl phthalate	84-69-5	201-553-2	
22	2,4-Dinitrotoluene	121-14-2	204-450-0	
23	Coal tar pitch, high temperature	65996-93-2	266-028-2	
24	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	
27	Lead chromate	7758-97-6	231-846-0	
28	Acrylamide	79-06-1	201-173-7	

(Published Date: 2010/1/13)

Item	Substance Name	CAS No.	EC No.	Remark
29	Trichloroethylene	79-01-6	201-167-4	REACH SVHC 3.0
30	Boric acid	10043-35-3, 11113-50-1	233-139-2, 234-343-4	
31	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	215-540-4	
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	
33	Sodium chromate	7775-11-3	231-889-5	
34	Potassium chromate	7789-00-6	232-140-5	
35	Ammonium dichromate	7789-09-5	232-143-1	
36	Potassium dichromate	7778-50-9	231-906-6	

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Item	Substance Name	CAS No.	EC No.	Remark
37	Cobalt(II) sulphate	10124-43-3	233-334-2	REACH SVHC 4.0
38	Cobalt(II) dinitrate	10141-05-6	233-402-1	
39	Cobalt(II) carbonate	513-79-1	208-169-4	
40	Cobalt(II) diacetate	71-48-7	200-755-8	
41	2-Methoxyethanol	109-86-4	203-713-7	
42	2-Ethoxyethanol	110-80-5	203-804-1	
43	Chromium trioxide	1333-82-0	215-607-8	
44	Acids generated from chromium trioxide and their oligomers	-	-	
	Chromic acid	7738-94-5	231-801-5	
	Dichromic acid	13530-68-2	236-881-5	
	Oligomers of chromic acid and dichromic acid	-	-	

(Published Date: 2010/12/15)

Item	Substance Name	CAS No.	EC No.	Remark
45	2-ethoxyethyl acetate	111-15-9	203-839-2	REACH SVHC 5.0
46	Strontium chromate	7789-06-2	232-142-6	
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	
48	Hydrazine	7803-57-8, 302-01-2	206-114-9	
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	
50	1,2,3-trichloropropane	96-18-4	202-486-1	
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	

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Item	Substance Name	CAS No.	EC No.	Remark
52	Dichromium tris(chromate)	24613-89-6	246-356-2	REACH SVHC 6.0
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	234-329-8	
54	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	-	
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	-	
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	
61	1,2-Dichloroethane	107-06-2	203-458-1	
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	
63	Arsenic acid	7778-39-4	231-901-9	
64	Calcium arsenate	7778-44-1	231-904-5	
65	Trilead diarsenate	3687-31-8	222-939-5	
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-836-4	
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	
68	Phenolphthalein	77-09-8	201-004-7	
69	Lead azide Lead diazide	13424-46-9	236-542-1	
70	Lead styphnate	15245-44-0	239-290-0	
71	Lead dipicrate	6477-64-1	229-335-2	

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Item	Substance Name	CAS No.	EC No.	Remark
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	REACH SVHC 7.0
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	
74	Diboron trioxide	1303-86-2	215-125-8	
75	Formamide	75-12-7	200-842-0	
76	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	
83	a,a-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	
84	4,4'-bis(dimethylamino)-4''-(methylamino)terityl alcohol	561-41-1	209-218-2	

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Item	Substance Name	CAS No.	EC No.	Remark
85	Bis(pentabromophenyl) ether(DecaBDE)	1163-19-5	214-604-9	REACH SVHC 8.0
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	
91	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	-	-	
92	Diazen-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	201-604-9	
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	
95	Methoxy acetic acid	625-45-6	210-894-6	
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	
98	N-pentyl-isopentylphthalate	-	-	
99	1,2-Diethoxyethane	629-14-1	211-076-1	
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	



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Item	Substance Name	CAS No.	EC No.	Remark
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	REACH SVHC 8.0
102	Acetic acid, lead salt, basic	51404-69-4	257-175-3	
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	215-290-6	
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	234-853-7	
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	273-688-5	
106	Dioxobis(stearato)trilead	12578-12-0	235-702-8	
107	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	
108	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	
109	Lead cyanamidate	20837-86-9	244-073-9	
110	Lead dinitrate	10099-74-8	233-245-9	
111	Lead oxide (lead monoxide)	1317-36-8	215-267-0	
112	Lead tetroxide (orange lead)	1314-41-6	215-235-6	
113	Lead titanium trioxide	12060-00-3	235-038-9	
114	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4	
115	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	
116	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	
117	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	
118	Silicic acid, lead salt	11120-22-2	234-363-3	
119	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	
120	Tetraethyllead	78-00-2	201-075-4	
121	Tetralead trioxide sulphate	12202-17-4	235-380-9	
122	Trilead dioxide phosphonate	12141-20-7	235-252-2	
123	Furan	110-00-9	203-727-3	
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	
125	Diethyl sulphate	64-67-5	200-589-6	
126	Dimethyl sulphate	77-78-1	201-058-1	
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	
128	Dinoseb	88-85-7	201-861-7	
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	





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Item	Substance Name	CAS No.	EC No.	Remark
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	REACH SVHC 8.0
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	
134	Biphenyl-4-ylamine	92-67-1	202-177-1	
134	Biphenyl-4-ylamine	92-67-1	202-177-1	
135	o-aminoazotoluene	97-56-3	202-591-2	
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	
137	N-methylacetamide	79-16-3	201-182-6	
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	

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Item	Substance Name	CAS No.	EC No.	Remark
139	Cadmium	7440-43-9	231-152-8	REACH SVHC 9.0
140	Cadmium oxide	1306-19-0	215-146-2	
141	Ammoniumpentadeca-fluorooctanoate (APFO)	3825-26-1	223-320-4	
142	Pentadeca-fluorooctanoic acid (PFOA)	335-67-1	206-397-9	
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	
144	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]	-	-	

(Published Date: 2013/6/20)



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Item	Substance Name	CAS No.	EC No.	Remark
145	Cadmium sulphide	1306-23-6	215-147-8	REACH SVHC 10.0
146	Dihexyl phthalate	84-75-3	201-559-5	
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	
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)	1937-37-7	217-710-3	
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	
150	Lead di(acetate)	301-04-2	206-104-4	
151	Trixylyl phosphate	25155-23-1	246-677-8	

(Published Date: 2013/12/16)

Item	Substance Name	CAS No.	EC No.	Remark
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	REACH SVHC 11.0
153	Cadmium chloride	10108-64-2	233-296-7	
154	Sodium perborate; perboric acid, sodium salt	-	239-172-9; 234-390-0	
155	Sodium peroxometaborate	7632-04-4	231-556-4	

(Published Date: 2014/6/16)



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Item	Substance Name	CAS No.	EC No.	Remark
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	REACH SVHC 12.0
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	
159	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	
160	Cadmium fluoride	7790-79-6	232-222-0	
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-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	

(Published Date: 2014/12/17)

Item	Substance Name	CAS No.	EC No.	Remark
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)	68515-51-5 68648-93-1	271-094-0 272-013-1	REACH SVHC 13.0
163	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]	-	-	

(Published Date: 2015/6/15)



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Item	Substance Name	CAS No.	EC No.	Remark
164	1,3-propanesultone	214-317-9	1120-71-4	REACH SVHC 14.0
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	

(Published Date: 2015/12/17)

Item	Substance Name	CAS No.	EC No.	Remark
169	Benzo[def]chrysene	50-32-8	200-028-5	REACH SVHC 15.0

(Published Date: 2016/6/20)

Item	Substance Name	CAS No.	EC No.	Remark
170	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	REACH SVHC 16.0
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, (1) Nonadecafluorodecanoic acid (2) Ammonium nonadecafluorodecanoate (3) Decanoic acid, nonadecafluoro-, sodium salt	- (1) 335-76-2 (2) 3108-42-7 (3) 3830-45-3	- (1) 206-400-3 (2) 221-470-5 (3) -	
172	4-Heptylphenol, branched and linear	-	-	
173	4,4'-isopropylidenediphenol	80-05-7	201-245-8	

(Published Date: 2017/1/12)



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Item	Substance Name	CAS No.	EC No.	Remark
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	REACH SVHC 17.0

(Published Date: 2017/7/7)

Item	Substance Name	CAS No.	EC No.	Remark
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]	-	-	REACH SVHC 18.0
176	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloro pentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	-	
177	Chrysene	21041-95-2	244-168-5	
178	Cadmium nitrate	10022-68-1, 10325-94-7	233-710-6	
179	Cadmium hydroxide	21041-95-2	244-168-2	
180	Cadmium carbonate	513-78-0	208-168-9	
181	Benzo(a)anthracene	56-55-3, 1718-53-2	200-280-6	

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Item	Substance Name	CAS No.	EC No.	Remark
182	Terphenyl, hydrogenated	61788-32-7	262-967-7	REACH SVHC 19.0
183	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	
184	Lead	7439-92-1	231-100-4	
185	Ethylenediamine (EDA)	107-15-3	203-468-6	
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	
187	Disodium octaborate	12008-41-2	234-541-0	
188	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	
189	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	
190	Benzo[ghi]perylene	191-24-2	205-883-8	
191	Benzene-1,2,4-tricarboxylic acid 1,2 Anhydride trimellitic anhydride; TMA	552-30-7	209-008-0	

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