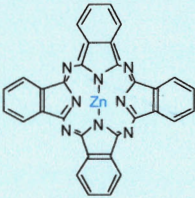
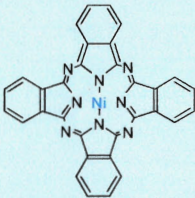
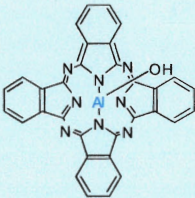
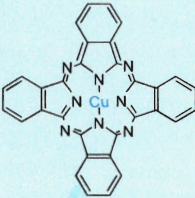
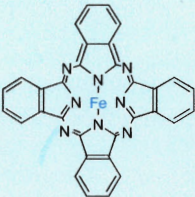
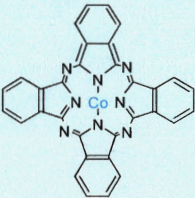




Phthalocyanine products

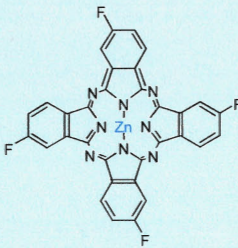
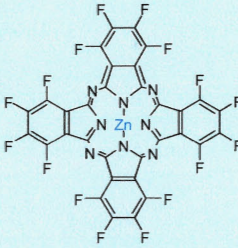
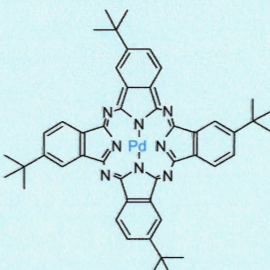
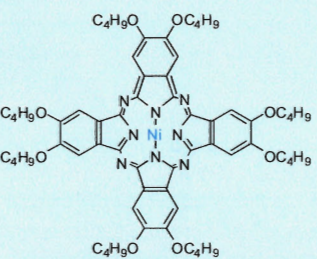
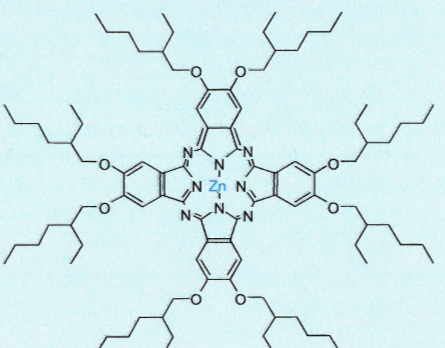
Phthalocyanine products

1) Phthalocyanines for electronics

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-01-S	Zinc(II) phthalocyanine		> 99	1 g	Sublim.
FTC-02-S	Nickel(II) phthalocyanine		> 99	1 g	Sublim.
FTC-03-S	Aluminum(III) phthalocyanine hydroxide		> 99	1 g	Sublim.
FTC-04-S	Copper(II) phthalocyanine		> 99	1 g	Sublim.
FTC-05-S	Iron(II) phthalocyanine		> 99	1 g	
FTC-06-S	Cobalt(II) phthalocyanine		> 99	1 g	



Phthalocyanine products

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-07-S	Zinc(II) 2,9,16,23-tetrafluoro-phthalocyanine		> 99	1 g	Sublim., Sum of isomers
FTC-08-S	Zinc(II) 1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecafluoro-phthalocyanine		> 99	1 g	Sublim.
FTC-09-R	Palladium(II) 2,9,16,23-tetra-t-butyl-phthalocyanine		> 99	1 g	Reprec., sum of isomers
FTC-10-R	Nickel(II) 2,3,9,10,16,17,23,24-octabutoxy-phthalocyanine		> 98	1 g	Chromat.
FTC-11-R	Zinc(II) 2,3,9,10,16,17,23,24-octakis(2-ethylhexoxy)-phthalocyanine		> 98	1 g	Extract.



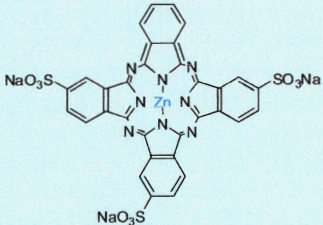
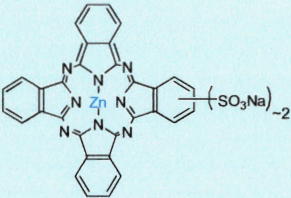
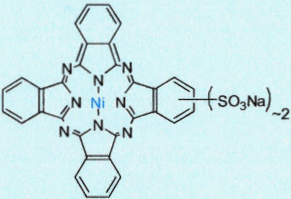
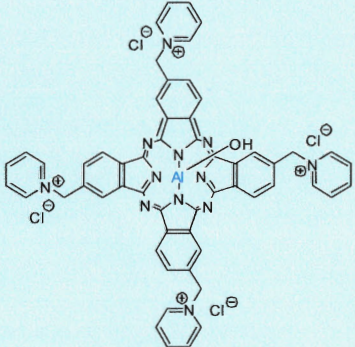
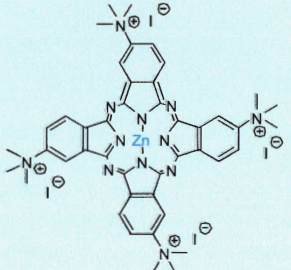
Phthalocyanine products

2) Phthalocyanines for photoactive processes

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-01-R	Zinc(II) phthalocyanine		> 95	1 g 10 g 100 g 1000 g	
FTC-03-R	Aluminum(III) phthalocyanine hydroxide		> 95	1 g 10 g 100 g	
FTC-12-C	Aluminum(III) phthalocyanine-disulfonic acid hydroxide, disodium salt		> 98	1 g	Chromat., sum of regioisomers
FTC-13-C	Aluminum(III) phthalocyanine-trisulfonic acid hydroxide, trisodium salt		> 98	1 g	Chromat., sum of regioisomers
FTC-14	Aluminum(III) phthalocyanine sulfonic acid, sodium salt		> 98	1 g 10 g	Characterized mixture of mono-tetrasulfonic groups, average number of sulfonic groups ~2
FTC-15-C	Zinc(II) phthalocyanine disulfonic acid, disodium salt		> 98	1 g	Chromat., sum of regioisomers



Phthalocyanine products

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-16-C	Zinc(II) phthalocyanine trisulfonic acid, trisodium salt		> 98	1 g	Chromat., sum of regioisomers
FTC-17	Zinc(II) phthalocyanine sulfonic acid, sodium salt		> 98	1 g 10 g	Characterized mixture of mono-tetrasulfonic groups, average number of sulfonic groups ~2
FTC-18	Nickel(II) phthalocyanine sulfonic acid, sodium salt		> 98	1 g 10 g	Characterized mixture of mono-tetrasulfonic groups, average number of sulfonic groups ~2
FTC-19	Aluminum(III) 2,9,16,23-tetramethylene-pyridium phthalocyanine hydroxide, tetrachloride		> 90	5 g	Sum of isomers
FTC-20	Zinc(II) 2,9,16,23-tetrakis(trimethylammonium) phthalocyanine, tetraiodide		> 90	1 g	Sum of isomers



Phthalocyanine products

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-21	Zinc(II) 2,9,16,23-tetrakis(<i>N</i> -methylpyridiumoxy) phthalocyanine, tetraiodide		> 90	1 g	Sum of isomers
FTC-22	Zinc(II) 2,9,16,23-tris(methylene-4-amino-pyridinium) phthalocyanine, trichloride		> 90	1 g	Sum of isomers
FTC-23	Aluminum(III) 2,9,16,23-tetrakis(methylene-4-aminopyridinium) phthalocyanine hydroxide, tetrachloride		> 90	1 g	Sum of isomers
FTC-24	Zinc(II) 2,9,16-tris(methylene-thiuronium) phthalocyanine, trichloride		> 90	1 g	Sum of isomers



Phthalocyanine products

Product code	Name	Structure	Assay (%)	Package	Notes
FTC-25	Aluminum(III) 2,9,16,23-tetrakis-(methylenethiuronium) phthalocyanine, tetrachloride		> 90	1 g	Sum of isomers
FTC-26	Zinc(II) 2,9,16-tris(carboxymethyl-aminosulfonyl) phthalocyanine, triacetate		> 90	1 g	Sum of isomers

3) Phthalocyanines for special use

Product code	Name	Package	Remarks
FTC-01-N1	20 % nanodispersion of zinc phthalocyanine in water	100 g, 500 g, 1 kg, 5 kg	For varnishes
FTC-01-N2	20 % nanodispersion of zinc phthalocyanine in ethanol	100 g, 500 g, 1 kg, 5 kg	For varnishes
FTC-01-N3	20 % nanodispersion of zinc phthalocyanine in DMF	100 g, 500 g, 1 kg, 5 kg	For varnishes