Particular Materials SRL
via Risorgimento 1
35024 Bovolenta (PD) – Italy
+39 0494906797
we.are@particularmaterials.com

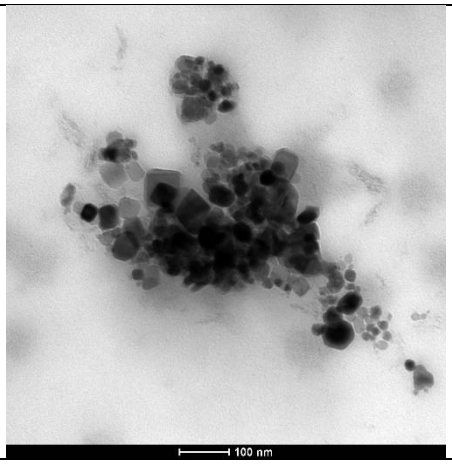
Technical Data Sheet

Product Name	**Cobalt(II,III) oxide, Co3O4 nanoparticles dispersion**
Synonym	
CAS Number	1308-06-1
Formula	Co_3O_4
Formula Weight	240.80
Appearance (Form, Color)	Powder, gray black
	Colloidal, gray black depending on concentration
Concentration	1% to 20% w/w in water or selected organic solvents
	For concentration > 20% w/w please contact Technical Support
Particle size	14 ± 7.8 nm
Coating	For specific requirements please contact Technical Support
Pricing	Visit our Online Store or Request a quotation
Bulk Pricing	For orders > 10kg please contact sales@particularmaterials.com

	Drums	Pails	Cans	Bottles	Vials
Available Packaging	✔	✔	✔	✔	✔

Particular Material warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at www.particularmaterials.com. For further inquiries, please contact **Technical Support** at we.are@particularmaterials.com.

Particular Materials SRL
via Risorgimento 1
35024 Bovolenta (PD) – Italy
+39 0494906797
we.are@particularmaterials.com

TEM	
14 ± 7.8 nm	

Particular Material warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at www.particularmaterials.com. For further inquiries, please contact **Technical Support** at we.are@particularmaterials.com.

PARTICULAR MATERIALS

Particular Materials SRL
via Risorgimento 1
35024 Bovolenta (PD) – Italy
+39 0494906797
we.are@particularmaterials.com

QUALITY CONTROL

When stored as recommended, most nanoparticles are stable for 6 months to > 1 year. Be sure to visually inspect your materials before each use. If there are any visible particulates floating in the solution, if the color of the solution has changed, or if the color intensity has decreased, the nanoparticles may have aggregated. These materials should be analyzed via UV-Visible spectroscopy, DLS, or TEM for quality verification.

HANDLING NANOPARTICLE COLLOIDS

Shake prior to use. During storage the nanoparticles may settle to the bottom. Resuspend the settled nanoparticles by vigorously shaking the bottle until the solution is homogenous, typically require 30 seconds of mixing.

HANDLING DRY NANOPOWDERS

Storage away from excess moisture and humidity is recommended until the materials are ready for use or redispersion.

For a suggestion of solvents and methods to redisperse dry powders, contact our **Technical Support** we.are@particularmaterials.com.

QUESTIONS & SUPPORT

If you have any questions, please don't hesitate to contact us by email at we.are@particularmaterials.com or by phone at +39 049 490 6797 or directly contact your sales representative.

Particular Material warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at www.particularmaterials.com. For further inquiries, please contact **Technical Support** at we.are@particularmaterials.com.