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Strem's nanomaterials manufacturing activities began in 2004 when it licensed technology developed by Prof. Dr. Boennemann at the Max-Planck Institute in Germany. This technology allowed for the manufacture of a variety of metal-based nanoparticles including colloids and magnetic fluids. In 2008 Strem expanded its US-based nanomaterials initiative and established a Nanochemistry Laboratory at the Institut de Science et d'Ingenierie Supramoleculaires (ISIS) of the University of Strasbourg, France. It is headed by Dr. Nina Matoussevitch, an experienced Nanochemist. Dr. Matoussevitch's lab works closely with Strem's US facility and Prof. Dr. Helmut Boennemann, Strem's nanoconsultant. The goal of the Nano facility is to serve R&D groups worldwide with custom-made nanostructured materials.

Strem's product offering now includes nanoparticles of many transition metals, precious metals as well as metal oxides, mixed-metal oxides and magnetic fluids. Nanocatalysts are also available.

"Selected Strem Nanoproducts" – Magnetic Fluids

27-0001 HAZ	Cobalt magnetic fluid in kerosene with AOT [sodium dioctylsulfosuccinate] and LP4 [a fatty acid condensation polymer] (8.2% vol%) ca. 10 nm (mean particle size); black fluid	1ml 5ml 25ml
27-0023 HAZ	Cobalt nanoparticles coated with AOT [sodium dioctylsulfosuccinate] 10-12 nm; black waxy material	1g 5g
27-0028	Cobalt nanoparticles (surfaced modified with L-cysteine ethyl ester), ethanol wet ~10nm; black pwdr. (wet with ethanol)	250mg 1g
27-0026 HAZ	Cobalt nanoparticles, toluene wet 10-12 nm; black suspension	1g 5g
26-0011 HAZ	Iron-cobalt nanoparticles 5-8 nm; black pwdr.	250mg 1g
26-0020	Iron-cobalt nanoparticles (surfaced modified with L-cysteine ethyl ester), ethanol wet ~10nm; black pwdr. (wet with ethanol)	250mg 1g
26-0022 NEW → HAZ	Iron oxide magnetic fluid in kerosene coated with oleic acid (7-9 vol% of magnetite) black, viscous liq.	2ml 10ml
26-0024 NEW → HAZ	Iron oxide magnetic fluid in kerosene coated with oleic acid (15-18 vol% of magnetite) black, viscous liq.	2ml 10ml
26-0026 NEW → HAZ	Iron oxide magnetic fluid in kerosene coated with oleic acid (20-23 vol% of magnetite) black liq.	2ml 10ml
26-0030 NEW →	Iron (II,III) oxide (Magnetite) aqueous magnetic fluid [2.5 vol%(~12 wt%), Ms = 10-11 kA/m] [1317-61-9] Fe ₃ O ₄ ; black solid (water suspension)	2ml 10ml
26-0032 NEW →	Iron (II,III) oxide (Magnetite) aqueous magnetic fluid [3.5 vol%(~17 wt%), Ms = 15-16 kA/m] [1317-61-9] Fe ₃ O ₄ ; black solid (water suspension)	2ml 10ml
26-0036 NEW →	Iron (II,III) oxide (Magnetite) aqueous magnetic fluid [7.0 vol%(~35 wt%), Ms = 30-31 kA/m] [1317-61-9] Fe ₃ O ₄ ; black solid (water suspension)	2ml 10ml

Visit www.strem.com for new product information and searchable catalog.

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