



EMD
PERFORMANCE
MATERIALS

chemicals for TECHNICAL APPLICATIONS



EMD Performance Materials is a business
of Merck KGaA, Darmstadt, Germany

The chemical portfolio of the Performance Materials business includes specialty products used for technical applications. These chemicals are part of the "Technical Industry" portfolio and can be used, f.e., in electroplating, in the glass industry, for piezoceramic applications, as solvents or plasticizers.

The products are available as "extra pure" or "for synthesis" grades under brand names including Technipur™ and Photo-Rex®.



product overview

PRODUCT	CAS-NO.	ORDER NO.	PACKAGING	QUANTITY
101093 Aluminium hydroxide fine powder pure, hydrargillite	21645-51-2	1.01093.1000	Plastic bottle	1 kg
		1.01093.9025	Fibre carton	25 kg
101095 Aluminium oxide anhydrous (γ -alumina)	1344-28-1	1.01095.1000	Plastic bottle	1 kg
		1.01095.9050	Fibre carton	50 kg
101160 Ammonium hydrogen difluoride pure	1341-49-7	1.01160.5000	Plastic bottle	5 kg
101711 Barium carbonate Technipur™	513-77-9	1.01711.1000	Plastic bottle	1 kg
		1.01711.9050	Fibre carton	50 kg
101740 Barium peroxide anhydrous heavy	1304-29-6	1.01740.1000	Plastic bottle	1 kg
		1.01740.9050	Plastic drum	50 kg
801661 γ-Butyrolactone for synthesis	96-48-0	8.01661.0100	Glass bottle	100 ml
		8.01661.1000	Glass bottle	1 l
		8.01661.2500	Glass bottle	2.5 l
		8.01661.9025	Plastic drum	25 l
101707 Calcium carbonate Technipur™	471-34-1	1.01707.1000	Plastic bottle	1 kg
102840 Calcium fluoride precipitated pure	7789-75-5	1.02840.1000	Plastic bottle	1 kg
		1.02840.9050	Fibre carton	50 kg
102241 Casein soluble in alkali	9000-71-9	1.02241.1000	Plastic bottle	1 kg
		1.02241.9050	Fibre carton	50 kg
102040 Cesium carbonate extra pure	534-17-8	1.02040.0025	Glass bottle	25 g
		1.02040.1000	Plastic bottle	1 kg

PRODUCT	CAS-NO.	ORDER NO.	PACKAGING	QUANTITY
102487 Chromium(III) chloride hexahydrate extra pure	10060-12-5	1.02487.1000	Glass bottle	1 kg
		1.02487.9050	Fibre carton	50 kg
102483 Chromium(III) oxide anhydrous Technipur™	1308-38-9	1.02483.1000	Plastic bottle	1 kg
		1.02483.9050	Fibre carton	50 kg
102530 Cobalt(II) acetate tetrahydrate extra pure	6147-53-1	1.02530.0250	Plastic bottle	250 g
		1.02530.9025	Fibre carton	25 kg
102533 Cobalt(II) chloride hexahydrate extra pure	7791-13-1	1.02533.1000	Plastic bottle	1 kg
		1.02533.9025	Fibre carton	25 kg
102769 Copper(II) oxide Technipur™	1317-38-0	1.02769.1000	Plastic bottle	1 kg
803131 Diethylene glycol for synthesis	111-46-6	8.03131.1000	Glass bottle	1 l
		8.03131.5000	Plastic bottle	5 l
		8.03131.9025	Plastic drum	25 l
822323 Diethyl phthalate for synthesis	84-66-2	8.22323.0100	Plastic bottle	100 ml
		8.22323.1000	Plastic bottle	1 l
		8.22323.2500	Plastic bottle	2.5 l
		8.22323.9025	Plastic drum	25 l
800609 2,3-Epoxypropyl methacrylate (stabilised with hydroquinone monomethyl ether) for synthesis	106-91-2	8.00609.0250	Glass bottle	250 ml
		8.00609.2500	Glass bottle	2.5 l
		8.00609.9025	Plastic drum	25 kg
800891 Ethyl formate for synthesis	109-94-4	8.00891.0100	Glass bottle	100 ml
		8.00891.1000	Glass bottle	1 l
		8.00891.2500	Glass bottle	2.5 l
820639 1-Hexene for synthesis	592-41-6	8.20639.0005	Glass bottle	5 ml
		8.20639.0250	Glass bottle	250 ml
		8.20639.1000	Glass bottle	1 l
104610 Hydroquinone Technipur™	123-31-9	1.04610.9026	Fibre carton	25 kg
102459 Iron(II) chloride tetrahydrate extra pure special grade	13478-10-9	1.02459.1000	Plastic bottle	1 kg
		1.02459.9012	Plastic drum	12.5 kg
107372 Lead(II) acetate trihydrate extra pure	6080-56-4	1.07372.1000	Plastic bottle	1 kg
		1.07372.5000	Plastic bottle	5 kg
		1.07372.9050	Fibre carton	50 kg
105669 Lithium bromide extra pure	7550-35-8	1.05669.1000	Plastic bottle	1 kg
800387 Malonic acid for synthesis	141-82-2	8.00387.0100	Plastic bottle	100 g
		8.00387.0250	Plastic bottle	250 g
		8.00387.1000	Plastic bottle	1 kg
		8.00387.9025	Fibre carton	25 kg

PRODUCT	CAS-NO.	ORDER NO.	PACKAGING	QUANTITY
805890 Mesitylene for synthesis	108-67-8	8.05890.0250	Glass bottle	250 ml
		8.05890.1000	Glass bottle	1 l
814337 3-Methoxy-3-Methylbutanol for synthesis	56539-66-3	8.14337.0100	Glass bottle	100 ml
		8.14337.0500	Glass bottle	500 ml
		8.14337.9025	Plastic drum	25 l
107299 4-(Methylamino)phenol sulfate Photo-Rex®	55-55-0	1.07299.0250	Plastic bottle	250 g
		1.07299.1000	Plastic bottle	1 kg
100223 Methyl benzoate distilled and stabilized Type A	93-58-3	1.00223.6190	Steel drum	190 l
100782 Nickel oxide N Technipur™	1313-99-1	1.00782.1000	Plastic bottle	1 kg
		1.00782.9025	Fibre carton	25 kg
110614 Potassium carbonate special grade LAB	584-08-7	1.10614.9025	Fibre carton	25 kg
105030 Potassium fluoride extra pure	7789-23-3	1.05030.1000	Plastic bottle	1 kg
		1.05030.9050	Fibre carton	50 kg
106688 Sodium azide extra pure	26628-22-8	1.06688.0100	Plastic bottle	100 g
		1.06688.0250	Plastic bottle	250 g
		1.06688.1000	Plastic bottle	1 kg
		1.06688.9010	Steel drum	10 kg
106350 Sodium hydrogen sulfate monohydrate extra pure	10034-88-5	1.06350.5000	Plastic bottle	5 kg
		1.06350.9025	Fibre carton	25 kg
106596 Sodium metaperiodate extra pure	7790-28-5	1.06596.1000	Plastic bottle	1 kg
		1.06596.9025	Steel drum	25 kg
107861 Strontium carbonate Technipur™	1633-05-2	1.07861.0500	Plastic bottle	500 g
		1.07861.9050	Fibre carton	50 kg
821895 Tetraisopropyl orthotitanate for synthesis	546-68-9	8.21895.0250	Glass bottle	250 ml
		8.21895.1000	Glass bottle	1 l
100757 Zirconium(IV) oxide Technipur™	1314-23-4	1.00757.9010	Plastic bottle	10 kg
		1.00757.9100	Plastic drum	100 kg



Guaranteed quality

We set standards for the quality of our products early on. In 1851, Emanuel Merck personally guaranteed the quality of his products, writing in a letter to a customer: **“I guarantee you consistent purity of my preparations and will compensate you for any loss arising from an impure preparation.”** Shortly thereafter, Merck KGaA, Darmstadt, Germany established its own control lab by setting quality standards.

This promise was part of one of the earliest “quality management systems” as it was based on well defined analytical measurements developed at Merck KGaA, Darmstadt, Germany. Ever since those days we have continuously improved our QM system and today quality is assured by an integrated quality management system including DIN EN ISO 9001, 14001, 50001 and 13485. The adherence to the high level of our quality standards is repeatedly confirmed by successful audits conducted by official agencies and our customers, which stimulate us to continue our endeavors to improve.



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**Performance Materials
Surface Solutions**

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