

Packaging made simple and safe

Bottles, containers, and folding dispatch cartons
for safe storage and reliable transport



We at Merck take safety matters very seriously. This is why Merck has a special department that is exclusively devoted to the issue of packaging materials. On the one hand to protect our high-grade chemicals against contamination, and on the other to restrict the storage- and transport-related risks for people and the environment to the absolute minimum. Our packaging materials are subject to ongoing optimization: bottles and containers that may under no circumstances whatsoever react with the filled chemical product and that may affect the quality of the specified contents. Standardized closures that keep tight whatever the conditions and that are comfortable to handle. And naturally also dispatch materials that are convenient for transport and that conform with international regulations.

Our new range of services for our customers: original Merck packaging materials as empty containers. For all those customers who have ever wanted to make use of the advantages of our tested and reliable packaging materials for filling, storage, and transport of their own chemicals. Start packing!



Our broad range of packaging materials includes

- Narrow-mouth brown-glass bottles for liquids
- Narrow-mouth plastic-coated brown-glass bottles
- Wide-mouth brown-glass bottles for solids
- Colourless PE bottles for liquids
- Black PE bottles for light-sensitive substances
- Wide-mouth PE bottles for solids
- PE canisters
- PE buckets
- Wide-mouth PE drums
- Lacquered tinplate containers
- Stainless-steel barrels
- Stainless-steel drums
- Tinplate drums
- Aluminium bottles
- Boxes with hinged lids and automatically locking floors
- Folding dispatch carton made of corrugated cardboard
- UN-approved transport boxes for glass and PE bottles
- UN-approved individual transport containers for glass and PE bottles
- Adhesive tapes

All bottles are delivered with a seal of originality, thus preventing any contamination during transport. Glass and PE bottles are closed absolutely tight with polypropylene-material screw-cap closures with PTFE inserts.

The bottles are all equipped with the typical Merck threads: bottles for solid materials with the S 38, S 60, and S 85 threads, bottles for liquids with the S 28 resp. S 40 threads.

Please always check for product compatibility when selecting your packaging materials!

In other words: no interactions may occur between the product and the selected packaging material.

Information in this connection can be found also in the Merck Chemicals and Reagents catalogue under the packaging details for the respective product.

Additionally the corresponding hazardous-goods regulations and storage instructions must also be observed in conjunction with the proper application of packaging materials.

The relevant international transport regulations must be observed in connection with the transport of hazardous goods. We therefore sincerely request that you strictly adhere to the laws, regulations, and guidelines governing safety issues in your own country.



Glass bottles for liquids

Designation	Volume	Thread	Quantity	Order No.
Glass bottles				
	50 ml	S 28	22 units	9.11121.0050
	100 ml	S 28	15 units	9.11121.0103
	250 ml	S 40	18 units	9.11121.0252
	500 ml	S 40	11 units	9.11121.0501
	1 l	S 40	10 units	9.11121.1018

Glass bottles, flint glass				
	1 l	S 40	10 units	9.11121.1014

Glass bottles, plastic-coated, in UN-approved transport box				
	50 ml	S 28	6 units	9.11121.0052
	100 ml	S 28	6 units	9.11121.0102
	250 ml	S 40	6 units	9.11121.0253
	500 ml	S 40	6 units	1.13313.0001
	1 l	S 40	6 units	1.13314.0001
	2,5 l	S 40	1 unit	9.11121.2835

Glass bottles in UN-approved transport box				
	100 ml	S 28	6 units	1.10390.0001
	250 ml	S 40	6 units	1.10391.0001
	500 ml	S 40	6 units	1.10392.0001
	1 l	S 40	6 units	1.10393.0001
	2,5 l	S 40	4 units	1.10394.0001

Glass bottles in UN-approved individual transport container				
	500 ml	S 40	6 x 1 unit	9.11121.0502
	1 l	S 40	6 x 1 unit	9.11121.1008
	2,5 l	S 40	1 unit	9.11121.2501



Glass bottles made of Duran glass (borosilicate glass) in UN-approved transport boxes

Designation	Volume	Thread	Quantity	Order No.
	250 ml	S 40	6 units	9.11115.0250
	1 l	S 40	6 units	9.11115.1000



Wide-mouth glass bottle for solids in UN-approved transport boxes

Designation	Volume	Thread	Quantity	Order No.
	400 ml	S 60	6 units	9.33108.0401
	500 ml	S 60	6 units	9.33108.0561
	1 l	S 60	6 units	9.33108.1121
	1,6 l	S 85	4 units	9.33108.1601
	2,8 l	S 85	4 units	9.33108.2801

Plastic bottles for liquids

Designation	Volume	Thread	Quantity	Order No.
Plastic bottles	100 ml	S 28	11 units	9.51514.0100
Plastic bottles	250 ml	S 40	9 units	9.51514.0250
Plastic bottles, black	250 ml	S 40	9 units	9.51514.0251
Plastic bottles in UN-approved folding dispatch carton	500 ml	S 40	6 units	1.10188.0001
Plastic bottles, black in UN-approved folding dispatch carton	500 ml	S 40	6 units	9.51514.0500
Plastic bottles in UN-approved individual transport container	1 l	S 40	6 x 1 unit	9.51514.1142
Plastic bottles in UN-approved folding dispatch carton	1 l	S 40	6 units	1.10178.0001
Plastic bottles, black	1 l	S 40	20 units	9.51513.1154
Plastic bottles in UN-approved individual transport container	2,5	S 40	4 x 1 unit	9.51514.2525
Plastic bottles in UN-approved folding dispatch carton	2,5 l	S 40	4 units	1.10174.0001
Plastic bottles in UN-approved folding dispatch carton	5 l	S 40	1 units	9.51514.5000



Wide-mouth PE bottles for solids in UN-approved folding dispatch carton

	Volume	Thread	Quantity	Order No.
	80 ml	S 38	12 units	9.51510.0008
	150 ml	S 38	20 units	9.51510.0015
	250 ml	S 38	12 units	9.51510.0025
	450 ml	S 38	20 units	9.51510.0045
	750 ml	S 60	12 units	9.51510.0075
	1 l	S 60	6 units	9.51510.0106
	2,5 l	S 85	6 units	9.51510.0256
	4 l	S 85	6 units	9.51510.0406
	6 l	S 85	4 units	9.51510.0604
	10 l	S 85	4 units	9.51510.1004



Canisters for liquids

Designation	Volume	Thread	Quantity	Order No.
Canister made of PE	5 l	KS 56 x 4	1 unit	9.54528.1005
Canister made of PE	10 l	KS 56 x 4	1 unit	9.54528.1010
Canister made of PE	25 l	KS 56 x 4	1 unit	9.54528.1025
Canister made of PE, blue	25 l	KS 56 x 4	1 unit	9.54528.1026



Drums, buckets for solids

Designation	Volume	Thread	Quantity	Order No.
Wide-mouth drum made of PE, blue, with screw cap	10 l		1 unit	9.54525.8010
Wide-mouth drum made of PE, blue, with screw cap	20 l		1 unit	9.54525.8020
Wide-mouth drum made of PE, blue, with lid and ring clamp	30 l		1 unit	9.54525.8030
Buckets made of PE, with lid	6 l		5 units	9.54527.1006
Buckets made of PE, with lid	16 l		3 units	9.54527.1016





Tinplate container, round, lacquered blue

	Volume	Height Diameter	Quantity	Order No.
	225 ml	5 cm 8 cm	18 units	9.44459.0225
	460 ml	10 cm 8 cm	16 units	9.44459.0460
	1 l	10 cm 12 cm	6 units	9.44459.1000
	2,7 l	13,5 cm 16,5 cm	4 units	9.44459.2700
	4,4 l	21,5 cm 16,5 cm	4 units	9.44459.4400
	10 l	25 cm 23 cm	3 units	9.44459.9010
	12 l	31 cm 23 cm	2 units	9.44459.9012



Stainless-steel containers

Designation	Volume	Thread opening	Quantity	Order No.
Stainless-steel barrel	10 l	2" und 3/4"	1 unit	9.43441.1010
Stainless-steel barrel	30 l	2" und 3/4"	1 unit	9.43441.1030
Stainless-steel barrel	185 l	2" und 3/4"	1 unit	9.43441.1185
Stainless-steel drum	10 l	2"	1 unit	9.43441.1012
Stainless-steel drum	25 l	2"	1 unit	9.43441.1028
Stainless-steel drum	190 l	2" und 3/4"	1 unit	9.43441.1190



Metal containers

Designation	Volume	Thread opening	Quantity	Order No.
Metal drum, blue	25 l	2"	1 unit	9.43441.1025
Metal drum, blue, with PE inliner and with coarse-thread opening	10 l	2"	1 unit	9.43442.1013
Metal drum, blue, with PE inliner and with coarse-thread and fine-thread openings	25 l	2" und 3/4"	1 unit	9.43442.1025



Aluminium bottles

Designation	Volume	Thread	Quantity	Order No.
Aluminium bottle	1 l	S 40	1 unit	9.49461.1254
Aluminium bottle with UN approval	5 l	S 40	1 unit	9.49461.5503

Key's for opening and closing bottles, metal vessels and canisters

Designation	Quantity	Order No.
Bottle key for opening bottles with S 40 and S 28 screw cap	5 units	1.08801.0001
Drum key for opening vessels with 2" and 3/4" screw	1 unit	1.08803.0001
Container key for opening canisters with a KS 60 screw cap	1 unit	1.08804.0001

Folding dispatch cartons made of corrugated cardboard

Designation	Internal dimensions [mm]	Volume	UN-approval	Quantity	Order No.
Folding dispatch cartons	188 x 128 x 115	2,7 l	4G X3	20 units	9.71405.0020
Folding dispatch cartons	224 x 150 x 146	4,9 l	4G X4	20 units	9.71406.0020
Folding dispatch cartons	225 x 170 x 160	6,1 l	4G X9	20 units	9.71401.0020
Folding dispatch cartons for the dispatch of 6 x 1 l PE bottles	295 x 200 x 215	12,7 l	4G X15	15 units	9.72401.0015
Folding dispatch cartons for the dispatch of 4 x 2.5 l PE bottles	366 x 250 x 300	27 l	4G X37	15 units	9.72707.0015
Folding dispatch cartons for the dispatch of 6 x 1 l glass bottles*	385 x 260 x 270	27 l	4G X33	15 units	9.72701.0015
Folding dispatch cartons for the dispatch of 4 x 2.5 l glass bottles* and 4 x 5 l aluminium bottles	365 x 365 x 302	40 l	4G X33	15 units	9.72702.0015
* One polystyrene box insert is additionally for the dispatch of glass bottles					
Folding dispatch cartons for the dispatch of individual 1 l PE bottles	100 x 100 x 219	2,1 l	4G X2	10 units	9.71407.0010
Folding dispatch cartons for the dispatch of individual 2.5 l PE bottles	136 x 136 x 303	5,6 l	4G X5	10 units	9.71408.0010
Folding dispatch cartons for the dispatch of individual 5 l PE bottles	177 x 177 x 341	10,6 l	4G X10	10 units	9.71409.0010
Folding dispatch cartons with polystyrene insert for individual 500 ml Merck glass bottles for liquids	125 x 125 x 238	3,6 l	4G X3	6 x 1 unit	9.71410.0500
Folding dispatch cartons with polystyrene insert for individual 1 l Merck glass bottles for liquids	145 x 145 x 303	6 l	4G X6	6 x 1 unit	9.71410.1000
Folding dispatch cartons with polystyrene insert for individual 2.5 l Merck glass bottles for liquids	193 x 193 x 336	12,5 l	4G X11	4 x 1 unit	9.71410.2500

The following adhesive tapes must be used in conjunction with the UN-approved folding dispatch cartons:

Adhesive tape, glass-fibre-reinforced	Width 66 mm, length 200 m	1 roll	9.65002.0001
Wet-adhesive tape made of paper, glass-fibre-reinforced	Width 80 mm, length 150 m	1 roll	9.65003.0001





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