

MERCK



EASY GRIP FULL CONTROL

Ergonomic HDPE bottles
for acids, bases and solvents

The life science business
of Merck operates as
MilliporeSigma in the
U.S. and Canada.

Supelco[®]
Analytical Products

TAKE FULL CONTROL – WITH ONE HAND

New 1 l HDPE bottle and popular
2.5 l HDPE bottle for acids, bases and solvents

Molded for hands. Made for handiness.

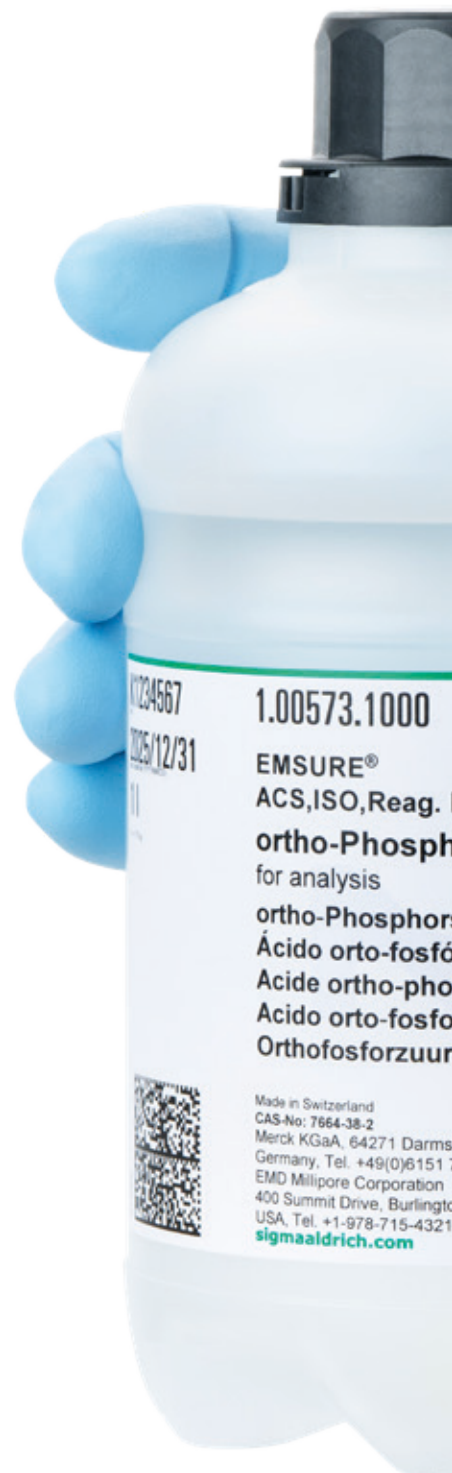
Safe and simple handling of hazardous liquids is key to protecting personnel from accidents and health risks. That's why we created the new "easy grip" 1 l HDPE bottle. Just like our popular 2.5 l HDPE bottle, the smaller version has an ergonomically perfected design to ensure a firm grip and full control – no matter how big or small your hands.

Developed with scientists. For scientists.

Today's performance requirements for lab reagents go well beyond product properties. Besides analytical purity, aspects such as handling, safety, ecology and economy play an increasingly crucial role for our customers.

All of these factors are directly influenced by packaging – particularly for acids, bases and solvents. Glass bottles are still the preferred option. As a container for all types of chemicals, glass is a valuable inert material for daily lab use. But there is always the risk of breakage.

At Merck, we have been developing the most innovative and practical packaging concepts for many years. Our experts have collaborated with scientists like you to come up with the perfect packaging for solvents, acids and bases: our HDPE (high density polyethylene) bottle range. Developed and used exclusively by Merck, it incorporates safety, environmental protection, and cost savings along the entire process chain. Meet our new "easy grip" bottle and feel how it makes your lab work safer, quicker and easier every time.



Benefits you can feel

- Ergonomic shape
- Easy pouring
- Safe handling
- Unbreakable material
- Cost-efficient use

NEW
easy grip
design



Learn more
[SigmaAldrich.com/HDPE-bottle](https://www.SigmaAldrich.com/HDPE-bottle)



PACKED WITH ADDED ADVANTAGES

For maximum user safety and product quality, the bottles are made of a specially treated, high quality HDPE that is extremely durable, inert and shock resistant. What's more, the bottles' unique shapes ensure optimal pouring characteristics and high pressure stability. Merck's exclusive S40 thread and lid assure an absolutely tight seal. Moreover, it's designed to provide smooth liquid flow to prevent spills. Merck HDPE bottles also protect the environment. Besides cardboard boxes, they require no additional protective material (like polystyrene). So there's much less packaging waste compared to glass bottles.

Sharp thread lip

Specially formed for safe, drip-free pouring



Scan with
"My M Safety"

Available on
Apple App Store &
Google Play



Ergonomic grip

Optimal handling
and pouring

Smart labels

As with all our products, the new bottles come with unique, clear and complete labels which include a 2D data matrix barcode for fast and easy access to digitalized product data.



1 l

Height	206 mm
Diameter	101 mm
Minimum volume	1190 ml
Weight	min. 66 g



2.5 l

Height	332 mm
Diameter	125 mm
Minimum volume	2690 ml
Weight	min. 145 g

Ergonomic integrated handle

Optimal handling and pouring

Low bottle weight

Easy, safe and economical handling and transportation

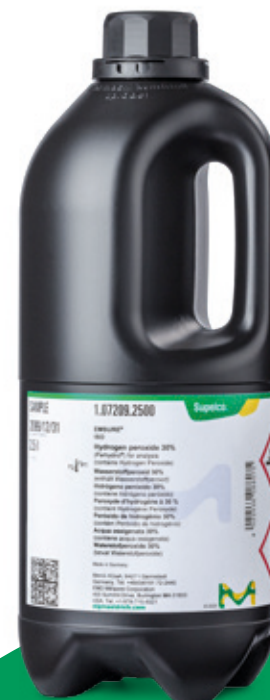
Special base geometry

Ensures high pressure stability and prevents bulging.



Merck's exclusive S40 thread and lid

Our S40 thread ensures a consistently tight seal thanks to a higher contact pressure. To enhance product safety, every cap is provided with a tamper-evident seal. After the cap is first opened, the tamper-proof ring remains on the bottleneck.



For certain chemicals, bottles are colored to protect against UV light.

NEW SHAPE. NO CHANGE.

NEW
1 l „easy grip“
HDPE bottle



Previous
1 l HDPE bottle

Our new easy grip 1 l HDPE bottle is made of the same material as its predecessor. So the packaging material is still perfectly compatible with its chemical contents. Also, the new bottle has exactly the same height and diameter, so you won't need to adapt your safety cabinets or shelves.

Ordering information

Acids		
Product	1 l*	2.5 l
Acetic acid 96% for analysis EMSURE®	1.00062.1011	1.00062.2511
Acetic acid (glacial) 100% anhydrous for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00063.1011	1.00063.2511
Acetic acid (glacial) 100% for analysis EMPARTA® ACS		1.01830.2500
Hydrochloric acid 25% for analysis EMSURE®	1.00316.1011	1.00316.2511
Hydrochloric acid 32% for analysis EMSURE®	1.00319.1011	1.00319.2511
Hydrochloric acid fuming 37% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00317.1011	1.00317.2011+
Hydrochloric acid fuming 37% for analysis EMPARTA® ACS		1.01834.2011+
Hydrofluoric acid 38-40% EMPLURA®	1.00337.1000	1.00337.2500
Hydrofluoric acid 40% for analysis EMSURE® ISO, Reag. Ph Eur	1.00338.1000	1.00338.2500
Hydrofluoric acid 48% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00334.1000	1.00334.2500
Hydrogen peroxide 30% (Perhydrol®) for analysis EMSURE® ISO	1.07209.1000	1.07209.2500
Hydrogen peroxide 30% (Perhydrol®) (stabilized for higher storage temp.) for analysis EMSURE® ISO	1.07210.1000	1.07210.2500
ortho-Phosphoric acid 85% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00573.1000	1.00573.2500
Sodium hypochlorite solution (6-14% active chlorine) EMPLURA®		1.05614.2500
Sulfuric acid 25% for analysis EMSURE®	1.00716.1000	
Sulfuric acid 62% for analysis for the determination of fat in cheese (d 1.52) EMSURE®	4.80531.1000	4.80531.2500
Sulfuric acid 95-97% for analysis EMSURE® ISO	1.00731.1011	1.00731.2511
Sulfuric acid 95-97% for analysis EMPARTA® ACS		1.01833.2500
Sulfuric acid 96% for the determination of viscosity acc. to DIN EN ISO 307	1.08131.1000	1.08131.2500
Bases		
Product	1 l*	2.5 l
Ammonia solution 25% for analysis EMSURE® ISO, Reag. Ph Eur	1.05432.1011	1.05432.2511
Ammonia solution 28-30% for analysis EMSURE® ACS, Reag. Ph Eur	1.05423.1011	1.05423.2511
Ammonia solution 32% EMPLURA®	1.05426.1011	1.05426.2511
Potassium hydroxide solution 47% for analysis EMSURE®	1.05545.1000	
Sodium hydroxide solution min. 10% (1.11) for analysis EMSURE®	1.05588.1000	
Sodium hydroxide solution min. 27% (1.30) for analysis (for the determination of nitrogen) EMSURE®		1.05591.2500
Sodium hydroxide solution about 32% (for the determination of nitrogen) for analysis EMSURE®		1.05590.2500
Sodium hydroxide solution about 32% EMPLURA®		1.05587.2500
Sodium hydroxide solution min. 45% for analysis EMSURE®		1.11360.2500
Sodium hydroxide solution 50% for analysis EMSURE®	1.58793.1000	

* New bottle availability is dependent on stock. + Only available in 2 l

Solvents

Product	1 l*	2.5 l
Acetone for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00014.1011	1.00014.2511
Acetone for analysis EMPARTA® ACS		1.07021.2511
Acetone EMPLURA®	8.22251.1000	8.22251.2500
tert-Amyl alcohol EMPLURA®	8.06193.1000	
1-Butanol EMPLURA®		8.22262.2500
2-Butanol EMPLURA®		8.22263.2500
Cyclohexane for analysis EMSURE® ACS, ISO, Reag. Ph Eur		1.09666.2511
Diethanolamine for analysis EMSURE®	1.16205.1000	
N,N-Dimethylformamide for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.03053.1011	1.03053.2511
N,N-Dimethylformamide for analysis EMPARTA®	1.03034.1011	1.03034.2511
N,N-Dimethylformamide EMPLURA®	8.22275.1000	8.22275.2500
Dimethyl sulfoxide for analysis EMSURE® ACS	1.02952.1011	1.02952.2511
Ethanol absolute for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00983.1011	1.00983.2511
Ethanol absolute for analysis EMPARTA® ACS		1.07017.2511
Ethanol absolute EMPLURA®	8.18760.1000	8.18760.2500
Ethanol for analysis completely denatured with 1% Ethyl methyl ketone, 1% Isopropyl alcohol, 1 g/ 100 l Denatonium benzoate EMSURE®		1.03771.2500
Ethanol denatured with about 1% methyl ethyl ketone for analysis EMSURE®	1.00974.1011	1.00974.2511
Ethyl acetate for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.09623.1000	1.09623.2511
Ethyl acetate EMPLURA®		8.22277.2500
Ethylene glycol for analysis EMSURE® Reag. Ph Eur, Reag. USP	1.09621.1000	1.09621.2500
Ethylene glycol EMPLURA®	1.00949.1000	1.00949.2500
Formamide for analysis EMSURE®	1.09684.1000	1.09684.2500
Formamide EMPLURA®	1.04008.1000	1.04008.2500
Glycerol (plant-origin) for analysis EMSURE® ACS, Reag. Ph Eur		1.04057.2511
n-Heptane for analysis EMSURE® Reag. Ph Eur		1.04379.2511
n-Heptane EMPLURA®		1.04365.2511
n-Hexane for analysis EMSURE® ACS		1.04367.2511
n-Hexane for analysis EMSURE® ACS, Reag. Ph Eur		1.04374.2511
n-Hexane for analysis EMPARTA® ACS		1.07023.2511
n-Hexane EMPLURA®		1.04368.2511
Isoamyl alcohol (mixture of isomers) EMPLURA®	8.22255.1000	8.22255.2500
Methanol for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.06009.1011	1.06009.2511
Methanol for analysis EMPARTA® ACS		1.07018.2511
Methanol EMPLURA®	8.22283.1000	8.22283.2500
1-Methyl-2-pyrrolidone EMPLURA®	8.06072.1000	8.06072.2500
1,2-Propanediol EMPLURA®	8.22324.1000	
2-Propanol for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.09634.1011	1.09634.2511
2-Propanol for analysis EMPARTA® ACS		1.07022.2511
2-Propanol EMPLURA®	8.18766.1000	8.18766.2500
Toluene for analysis EMSURE® ACS, ISO, Reag. Ph Eur		1.08325.2511
Toluene for analysis EMPARTA® ACS		1.07019.2511

*New bottle availability is dependent on stock.

Safety Accessories

Product	Ord. No.
Bottle opening key S40/S28	1.08801.0001
Safety stand for 2.5 l HDPE bottles	9.67213.0001
Withdrawal system for solvents with manual pressure build-up in S40 bottles	1.78178.0001

Full range of different pack sizes
and packaging types available on
[SigmaAldrich.com](https://www.SigmaAldrich.com)



Supelco®

Analytical Products

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64293 Darmstadt, Germany

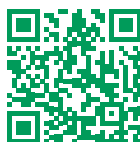
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