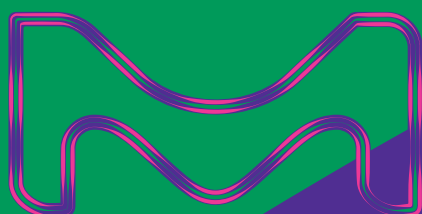


MERCK

# Better safe!

Get your hands on the handiest bottle for acids, bases and solvents



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

# Better safe!

## The 2.5 l HDPE bottle for acids, bases and solvents

Today's performance requirements for laboratory reagents go well beyond the actual 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 in the case of acids, bases and solvents. Glass bottles are still the preferred option. As containers for all types of chemicals, they remain 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. And we have the ideal solution to the challenges of packaging solvents, acids and bases: our HDPE (high density polyethylene) bottle. Developed and used exclusively by Merck, it incorporates safety, environmental protection, and cost savings along the entire process chain.

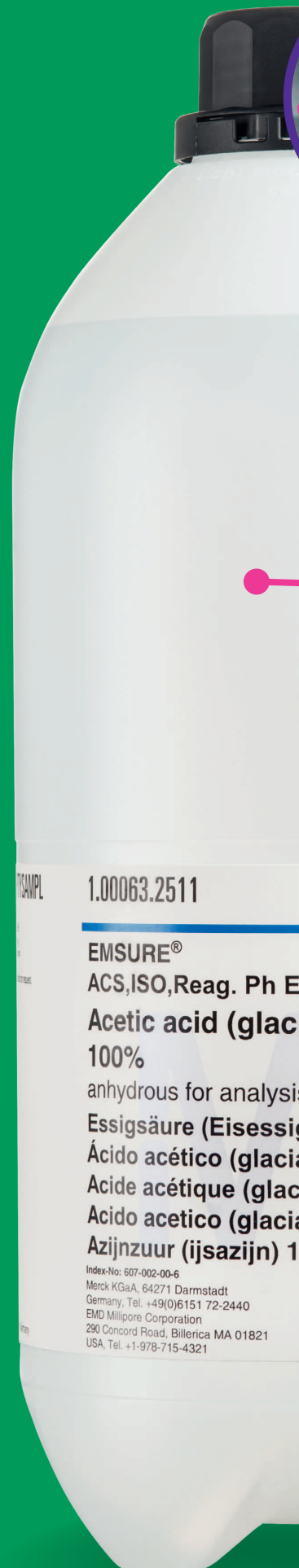
For maximum safety and content quality, the bottles are made of a specially treated, high quality HDPE that is extremely durable, inert and shock resistant. What's more, the bottle's unique shape ensures optimal pouring characteristics, convenient handling and high pressure stability.

Merck HDPE bottles also protect the environment. Besides cardboard boxes, they require no additional protective material (like polystyrene). So, there is much less packaging waste compared to glass bottles.

- Unbreakable
- Eco-friendly
- Convenient
- Safe
- Cost-efficient



**Bottle size:**  
Height: 322 mm  
Diameter: 125 mm





**Specially formed, sharp thread lip**

For safe, drip free pouring

**Merck's exclusive S40 thread and lid**

The S40 thread withstands higher contact pressure to ensure tightness. The tamper – proof ring remains on the bottle neck.

**Integrated handle**

For optimal usability and emptying

**Optimal center of gravity shift**

For convenient pouring

**Low bottle weight**

For easy, safe and economical handling

**Unique, clear and complete labeling**

With product specifications and all relevant hazard declarations

**Special base geometry**

Prevents bulging and ensures high pressure stability

Safety Accessories	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



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

# Always the perfect choice –

acids, bases and solvents from Merck

Products	Ord. No
<b>Acids</b>	
Acetic acid 96 % for analysis EMSURE®	1.00062.2511
Acetic acid (glacial) 100 % anhydrous for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00063.2511
Acetic acid (glacial) 100 % for analysis EMPARTA® ACS	1.01830.2500
Formic acid 98 – 100 % for analysis EMSURE® ACS, Reag. Ph Eur	1.00264.2511
Hydrochloric acid 25 % for analysis EMSURE®	1.00316.2511
Hydrochloric acid 32 % for analysis EMSURE®	1.00319.2511
Hydrochloric acid fuming 37 % for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00317.2011*
Hydrochloric acid fuming 37 % for analysis EMPARTA® ACS	1.01834.2011*
Hydrofluoric acid 40 % for analysis EMSURE® ISO, Reag. Ph Eur	1.00338.2500
Hydrofluoric acid 48 % for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00334.2500
Hydrogen peroxide 30 % (Perhydrol®) (stabilized for higher storage temp.) for analysis EMSURE® ISO	1.07210.2500
Hydrogen peroxide 30 % (Perhydrol®) for analysis EMSURE® ISO	1.07209.2500
ortho-Phosphoric acid 85 % for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00573.2500
Sulfuric acid 62 % for analysis for the determination of fat in cheese (d 1.52) EMSURE®	4.80531.2500
Sulfuric acid 95 – 97 % for analysis EMSURE® ISO	1.00731.2511
Sulfuric acid 95 – 97 % for analysis EMPARTA® ACS	1.01833.2500
<b>Bases</b>	
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 min. 45 % for analysis EMSURE®	1.11360.2500
<b>Solvents</b>	
Acetone for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.00014.2511
Acetone for analysis EMPARTA® ACS	1.07021.2511
Cyclohexane for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.09666.2511
N,N-Dimethylformamide for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.03053.2511
N,N-Dimethylformamide EMPARTA®	1.03034.2511
Dimethyl sulfoxide for analysis EMSURE® ACS	1.02952.2511
Ethanol absolute for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.07017.2511
Ethanol absolute for analysis EMPARTA® ACS	1.00983.2511
Ethanol denatured with about 1 % methyl ethyl ketone for analysis EMSURE®	1.00974.2511
Ethyl acetate for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.09623.2511
Ethylene glycol for analysis EMSURE® Reag. Ph Eur, Reag. USP	1.09621.2500
Formamide for analysis EMSURE®	1.09684.2500
n-Heptane for analysis EMSURE® Reag. Ph Eur	1.04379.2511
n-Hexane for analysis EMSURE® ACS, Reag. Ph Eur	1.04374.2511
n-Hexane for analysis EMSURE® ACS	1.04367.2511
n-Hexane for analysis EMPARTA® ACS	1.07023.2511
Glycerol 85 % for analysis EMSURE® Reag. Ph Eur	1.04094.2500
Glycerol for analysis EMSURE® ACS, Reag. Ph Eur	1.04092.2511
Methanol for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.06009.2511
Methanol for analysis EMPARTA® ACS	1.07018.2511
2-Propanol for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.09634.2511
2-Propanol for analysis EMPARTA® ACS	1.07022.2511
Toluene for analysis EMSURE® ACS, ISO, Reag. Ph Eur	1.08325.2511
Toluene for analysis EMPARTA® ACS	1.07019.2511

\* Available soon. Due to product characteristics, filled with only 2.0 l content.

Merck KGaA  
Frankfurter Straße 250  
64293 Darmstadt, Germany

For more products in 2.5 l HDPE bottles visit:  
[www.merckmillipore.com](http://www.merckmillipore.com)  
[www.sigma-aldrich.com](http://www.sigma-aldrich.com)

