

JUST in case

Acids in Safebreak bottles



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

Supelco®
Analytical Products

When accidents happen

Glass bottles are inert and offer a long shelf life, making them ideal for packaging acids. The only problem: glass can break even with careful handling. Often, clearing up spilled liquids and glass splinters is sufficient. But a more serious case may cause injury, contamination, or consequential damage.



Conventional glass bottle

- Risk of cracks or breakage
- Risk of injury to the user
- Risk of environmental contamination

WE HAVE YOU COVERED!

The Safebreak bottle

As always, Merck's Supelco® brand brings you quality and innovation perfected for your intended use. Meet our highly effective and protective solution for acids: The Safebreak bottle.

Safebreak is a unique glass bottle that is coated with polyethylene (PE). In case it falls and breaks, all liquid and glass splinters are securely contained in the PE-coating to ensure you are protected.

For additional security, each Safebreak bottle is fitted with our exclusive S40 screw cap. Made of polypropylene with an integrated PTFE component, the S40 cap keeps the bottle absolutely airtight, thus no liquid or vapor can escape.

Besides safety, Safebreak bottles also offer simplicity. Their special form facilitates drip-free pouring. And, you can easily dispose of them with conventional glass; the PE is simply burnt off during incineration. Hence, they are safer for you and the planet.



No pieces of glass. Just peace of mind.

All of Merck's expertise in the risks of acids is incorporated in our Supelco® Safebreak bottle:

- **Robust:** Able to withstand considerable impact force
- **Safe:** In case of breakage, all acid and glass splinters are contained in the PE coating
- **Durable:** Screw cap remains perfectly intact despite frequent use
- **Ecological:** Environment protected from contamination
- **Economical:** Long shelf life as with conventional glass bottles
- **Convenient:** S40 thread lip ensures drip-free pouring
- **Eco-friendly:** Can be recycled with conventional glass bottles
- **Flexible:** Available in volumes of 0.5 L, 1 L, or 2.5 L



PE-coated Safebreak bottle

- Resistant to considerable impact force
- No risk of injury from spilled acid or glass splinters
- Environment protected from contamination
- Recycled with conventional glass

More flexibility

with an extended choice of pack sizes:
0.5 L, 1 L, and 2.5 L



Supelco®

Analytical Products

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SigmaAldrich.com



**Quick and easy
data access**

Better data handling
with smart labels
for digitalized data
and lab filing.

Merck's Safebreak bottle is available for the following acids:

Product	Pack size	Ord. No.
Acetic acid (glacial) 100% anhydrous for analysis EMSURE® ACS, ISO, Reag. Ph Eur	0.5 L	1000630510
	1 L	1000631010
	2.5 L	1000632510
Hydrochloric acid fuming 37% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	0.5 L	1003170510
	1 L	1003171010
	2.5 L	1003172510
Nitric acid 65% for analysis EMSURE® Reag. Ph Eur, ISO	0.5 L	1004560510
	1 L	1004561010
	2.5 L	1004562510
Nitric acid 69% for analysis EMSURE® ACS, Reag. Ph Eur	0.5 L	1017990510
	1 L	1017991010
	2.5 L	1017992510
ortho-Phosphoric acid 85% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	0.5 L	1005730510
	2.5 L	1005732510
Perchloric acid 70-72% for analysis EMSURE® ACS, ISO, Reag. Ph Eur	0.5 L	1005190510
	1 L	1005191010
	2.5 L	1005192510
Sulfuric acid 95-97% for analysis (max. 0.005 ppm Hg) EMSURE® ACS, ISO, Reag. Ph Eur	0.5 L	1007320510
	2.5 L	1007322510
Sulfuric acid 95-97% for analysis EMSURE® ISO	0.5 L	1007310510
	1 L	1007311010
	2.5 L	1007312510
Sulfuric acid 98% for analysis EMSURE®	0.5 L	1120800510
	2.5 L	1120802510

Learn more about our Safebreak Bottle that was invented to match your high standards:
SigmaAldrich.com/safebreak

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