

SOLVENTS AND ACIDS IN PLASTIC BOTTLES

High purity

Safety

Economy

Convenience

.....Analar® NORMAPUR®
and NORMATOM® grades



SAFE, ERGONOMIC AND ENVIRONMENTALLY FRIENDLY PACKAGING

If economy, high quality and convenience are important for your choice in chemicals, VWR Chemicals deliver what you need. We are constantly looking for ways to improve laboratory safety, and our range of solvents and acids in plastic bottles is designed to help do just that.

- High quality guaranteed product in an unbreakable bottle
- All parts recyclable – no need to cut off plastic coating
- 80% lighter than glass bottles - easier to handle and smaller carbon footprint in production and shipping
- More cost efficient than glass bottles - takes up 78% less space than glass bottles



Analar® NORMAPUR® grade in HDPE (High Density Polyethylene) bottles

Analytical reagents in harmonisation with specifications described by the "American Chemical Society" (ACS) and Reag. Ph. Eur. wherever possible.

Solvents

Description	1 l	2,5 l	5 l
Acetone*	20066.310	20066.330	20066.365
Diethyl ether*	23811.290	-	-
Ethanol absolute*	20821.310	20821.330	20821.365
Ethyl acetate*	23882.310	23882.330	-
Ethylene glycol	-	-	24041.366
Glycerine 99,5%	-	-	24388.364
Methanol*	20847.318	20847.307	20847.360
1-Propanol*	-	-	20861.363
2-Propanol*	20842.312	20842.330	20842.367
Toluene*	-	-	28676.366
Xylene*	-	-	28975.360*

*ACS/Reag. Ph. Eur.

Acids

Description	1 l	2,5 l	5 l
Acetic acid glacial*	20104.312	20104.334	20104.367
Hydrochloric acid 25%	20257.310	20257.401	-
Hydrochloric acid 32%	20254.310	20254.401	20254.360
Hydrochloric acid 37%**	20252.295	20252.335	20252.368
Hydrofluoric acid 48%	20319.291	-	-
Hydrogen peroxide 30%	23619.297	-	23619.366
Nitric acid 68%	-	20422.330	20422.360
Nitric acid 60%	-	-	20423.360
Orthophosphoric acid 85%*	20624.310	20624.330	-
Sulphuric acid 95%	20700.290	20700.320	-

*ACS/Reag. Ph. Eur.

** Reag. Ph. Eur.



NORMATOM® acids for trace analysis in HDPE or PFE (Fluoro Polymer) bottles

In trace analysis, it is vital to use a homogenous solution, so samples are usually prepared using a digestion method with a mineral acid. The high purity of these acids is essential to avoid inaccuracy in the final results caused by impurities in these ancillary reagents.

NORMATOM® acids have been created to satisfy these exacting purity requirements. These Ultrapure products have 63 specifications, <20 ppt for the range.

- Very high purity (specifications in ppb and ppt for Ultrapure)
- Produced by sub boiling distillation
- Supplied in special plastic bottles (HDPE or PFE)
- Delivered with Certificate of Analysis

NORMATOM acids

Description	500 ml	1 l	2 l	2,5 l
Acetic acid 99%	83876.270			83876.330
Acetic acid 99% Ultrapure	85030.270			
Ammonia 20%	83870.270			
Ammonia 20% Ultrapure	85031.270			
Hydrobromic acid 47% Ultrapure	85032.270			
Hydrochloric acid 34%	83871.270	83871.290		83871.330
Hydrochloric acid 32% Ultrapure	83878.270	83878.290	83878.300	
Hydrofluoric acid 47%	83873.260			
Hydrofluoric acid 47% Ultrapure	85029.270	85029.290		
Hydrogen peroxide 30% Ultrapure	85040.270			
Nitric acid 67%	83872.270	83872.290		83872.330
Nitric acid 67% Ultrapure	83879.270	83879.290	83879.300	
Sulphuric acid 93%	83875.270	83875.290		83875.330
Sulphuric acid 93% Ultrapure	85028.270	85028.290		
Water for trace analysis	83877.260	83877.290		

Perchloric acid 67% also available in glass bottle, order 83874.260 for 500 ml, 83874.320 for 2,5 l.

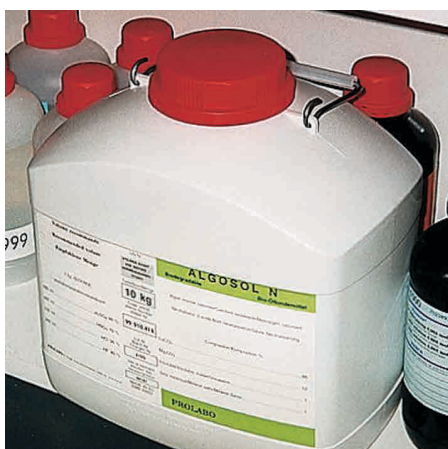


Spillage absorption granules

The coarse granules are easy to use, and when applied to liquid spillages, will absorb up to 80% of their own weight. The granules are suitable for absorbing acids, alkalis, other aqueous solutions and organic liquids.

- Bulk density 50 g/100 ml
 - Rapid absorption of low viscosity liquids
 - Granular, size typically 1 to 3,15 mm (95% more than 1,0 mm), generates little dust
- Please note: Mercury is not absorbed.

Description	Pk	Cat. No.
Spillage absorption granules, typically 1- 3,15 mm	2,5 kg	332377C



Spillage granules, Algosol N

Algosol is a unique natural product made from seaweed and is suitable for the neutralisation of acids, such as hydrochloric, sulphuric, nitric and hydrofluoric. It absorbs spills immediately without breaking up and can be used to extinguish fires.

- Biodegradable, non toxic, non flammable and dust-free
- Can be swept up easily
- Stable, chemically inert and non polluting

1 kg of Algosol neutralises 180 ml 95% sulphuric acid or 530 ml of 36% hydrochloric acid or 400 ml of 70% nitric acid or 260 ml of 40% hydrofluoric acid.

Description	Pk	Cat. No.
Spillage granules, Algosol	10 kg	99910.414



Emergency intervention kit

Kit for absorption of organics, aqueous solutions, alkalis and acids.

- Includes personal protective equipment such as gloves, masks and goggles
- Includes removal equipment: Dust tray, brush and bags

The kit contains:

3x MERCK Chemizorb® for absorption of organics and aqueous solutions 1.02051.0500

1x MERCK Chemizorb® for absorption of alkalis (including a neutraliser and a pH indicator) 1.01596.1000

1x MERCK Chemizorb® for absorption of acids 1.02491.2500

1x Pair barrier gloves with liner size 9 (112-1010)

1x Pair barrier gloves with liner size 7 (112-0946)

2x Mask 4279 3M ABEK (111-0044)

2x Goggles 3M 2790A (111-0265)

1x Dust tray ergonomic (129-0174)

1x Brush in PBT sterilisable (129-0175)

1x Disposal bag 483x610 mm (129-0021)

Cat. No.
129-0199

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Complete with norms and standards, sizing guides and pictograms for quick selection.



Make sure your safety officer has got a copy! Request your copy at vwr.com or from your local VWR sales office.

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