



002/2006/E
Product Information

Grossostheim, June 06

VITsafe™ Safety Wash-Bottles

Narrow- or wide-mouth bottles. Made from PP or PE-LD, with safety imprint in accordance with the Ordinance on Hazardous Substances and VENT-CAP. Dispensing tube made of PP. Available in three sizes, 250 ml, 500 ml and 1000 ml.



Working with chemical substances, which are sometimes dangerous, requires a high level of responsibility and concentration. VITLAB provides laboratory equipment that fulfils safety requirements in the form of the VITsafe™ safety wash-bottles.

For the first time, VITsafe™ safety wash-bottles are now optionally available made from polyethylene (PE-LD) or polypropylene (PP). PP adds a significantly higher level of resistance toward many organic solvents, and wash-bottles made from PP may also be autoclaved at 121°C for 20 minutes (disassembling of bottle, thread and dispensing tube is necessary).

All VITsafe™ safety wash-bottles are available in two variations. To VITLAB's traditional narrow-mouth wash-bottles we have added a new line of wide-mouth wash-bottles that simplify filling, even without a funnel.

The VENT-CAP virtually prevents leaking, dripping or escaping of liquid from the fitting, which sometimes can occur because of temperature changes in the laboratory. The proprietary design of the metal-free VENT-CAP, red coloured, reduces excess static pressure according to the principle of gas permeability, or respectively steam permeability. Leakage or dripping is almost completely eliminated.

All VITsafe™ safety wash-bottles have permanent imprints stating the statutory information required in accordance with the Ordinance on Hazardous Substances, as well as other important information: Chemical name in German, English and French, full hazard symbol and labelling, chemical formula, CAS number, risk and safety statements (R- / S- phrases), as well as the NFPA code.



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Range of Products

Item No.	Description	Volume ml	Material	Thread	PU pieces	Price €
1331819	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Dist.-Water"	250	PE-LD	GL25	1	4,80
1331839	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Methanol"	250	PE-LD	GL25	1	4,80
1331849	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Isopropanol"	250	PE-LD	GL25	1	4,80
1331859	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethyl acetate"	250	PE-LD	GL25	1	4,80
1331869	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethanol"	250	PE-LD	GL25	1	4,80
1351819	VITsafe™ Safety Wash-Bottle, wide-mouth, "Dist.-Water"	250	PE-LD	GL45	1	5,10
1351839	VITsafe™ Safety Wash-Bottle, wide-mouth, "Methanol"	250	PE-LD	GL45	1	5,10
1351849	VITsafe™ Safety Wash-Bottle, wide-mouth, "Isopropanol"	250	PE-LD	GL45	1	5,10
1351859	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethyl acetate"	250	PE-LD	GL45	1	5,10
1351869	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethanol"	250	PE-LD	GL45	1	5,10
1431829	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Acetone"	250	PP	GL25	1	5,80
1451829	VITsafe™ Safety Wash-Bottle, wide-mouth, "Acetone"	250	PP	GL45	1	6,40
1332819	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Dist.-Water"	500	PE-LD	GL25	1	5,70
1332839	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Methanol"	500	PE-LD	GL25	1	5,70
1332849	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Isopropanol"	500	PE-LD	GL25	1	5,70
1332859	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethyl acetate"	500	PE-LD	GL25	1	5,70
1332869	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethanol"	500	PE-LD	GL25	1	5,70
1332879	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Methylene chloride"	500	PE-LD	GL25	1	5,70
1332889	VITsafe™ Safety Wash-Bottle, narrow-mouth, "N,N-Dimethyl formamide"	500	PE-LD	GL25	1	5,70



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Range of Products

Item No.	Description	Volume ml	Material	Thread	PU pieces	Price in €
1332959	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Xylene"	500	PE-LD	GL25	1	5,70
1332969	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Acetonitrile"	500	PE-LD	GL25	1	5,70
1332979	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Acetic Acid"	500	PE-LD	GL25	1	5,70
1352819	VITsafe™ Safety Wash-Bottle, wide-mouth, "Dist.-Water"	500	PE-LD	GL45	1	6,10
1352839	VITsafe™ Safety Wash-Bottle, wide-mouth, "Methanol"	500	PE-LD	GL45	1	6,10
1352849	VITsafe™ Safety Wash-Bottle, wide-mouth, "Isopropanol"	500	PE-LD	GL45	1	6,10
1352859	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethyl acetate"	500	PE-LD	GL45	1	6,10
1352869	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethanol"	500	PE-LD	GL45	1	6,10
1352879	VITsafe™ Safety Wash-Bottle, wide-mouth, "Methylene chloride"	500	PE-LD	GL45	1	6,10
1352889	VITsafe™ Safety Wash-Bottle, wide-mouth, "N,N-Dimethylformamide"	500	PE-LD	GL45	1	6,10
1352959	VITsafe™ Safety Wash-Bottle, wide-mouth, "Xylene"	500	PE-LD	GL45	1	6,10
1352969	VITsafe™ Safety Wash-Bottle, wide-mouth, "Acetonitrile"	500	PE-LD	GL45	1	6,10
1352979	VITsafe™ Safety Wash-Bottle, wide-mouth, "Acetic Acid"	500	PE-LD	GL45	1	6,10
1432829	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Acetone"	500	PP	GL25	1	6,90
1432899	VITsafe™ Safety Wash-Bottle, narrow-mouth, "n-Heptane"	500	PP	GL25	1	6,90
1432909	VITsafe™ Safety Wash-Bottle, narrow-mouth, "n-Hexane"	500	PP	GL25	1	6,90
1432919	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Petroleum Ether"	500	PP	GL25	1	6,90
1432939	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Tetrahydrofuran"	500	PP	GL25	1	6,90
1432949	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Toluene"	500	PP	GL25	1	6,90
1432989	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Methyl Ethyl Ketone"	500	PP	GL25	1	6,90



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Range of Products

Item No.	Description	Volume ml	Material	Thread	PU pieces	Price €
1452829	VITsafe™ Safety Wash-Bottle, wide-mouth, "Acetone"	500	PP	GL45	1	7,60
1452899	VITsafe™ Safety Wash-Bottle, wide-mouth, "n-Heptane"	500	PP	GL45	1	7,60
1452909	VITsafe™ Safety Wash-Bottle, wide-mouth, "n-Hexane"	500	PP	GL45	1	7,60
1452919	VITsafe™ Safety Wash-Bottle, wide-mouth, "Petroleum Ether"	500	PP	GL45	1	7,60
1452939	VITsafe™ Safety Wash-Bottle, wide-mouth, "Tetrahydrofuran"	500	PP	GL45	1	7,60
1452949	VITsafe™ Safety Wash-Bottle, wide-mouth, "Toluene"	500	PP	GL45	1	7,60
1452989	VITsafe™ Safety Wash-Bottle, wide-mouth, "Methyl Ethyl Ketone"	500	PP	GL45	1	7,60
1333819	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Dist.-Water"	1000	PE-LD	GL32	1	6,90
1333839	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Methanol"	1000	PE-LD	GL32	1	6,90
1333849	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Isopropanol"	1000	PE-LD	GL32	1	6,90
1333859	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethyl acetatt"	1000	PE-LD	GL32	1	6,90
1333869	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Ethanol"	1000	PE-LD	GL32	1	6,90
1353819	VITsafe™ Safety Wash-Bottle, wide-mouth, "Dist.-Water"	1000	PE-LD	GL63	1	7,80
1353839	VITsafe™ Safety Wash-Bottle, wide-mouth, "Methanol"	1000	PE-LD	GL63	1	7,80
1353849	VITsafe™ Safety Wash-Bottle, wide-mouth, "Isopropanol"	1000	PE-LD	GL63	1	7,80
1353859	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethyl acetate"	1000	PE-LD	GL63	1	7,80
1353869	VITsafe™ Safety Wash-Bottle, wide-mouth, "Ethanol"	1000	PE-LD	GL63	1	7,80
1433829	VITsafe™ Safety Wash-Bottle, narrow-mouth, "Acetone"	1000	PP	GL45	1	8,10
1453829	VITsafe™ Safety Wash-Bottle, wide-mouth, "Acetone"	1000	PP	GL63	1	9,40



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Material

Polyethylene low-density [PE-LD]

▪ Properties

- good transparency
- virtually unlimited usable
- not autoclavable (121°C, t_g 20 min)
- sterilizable by chemicals (formalin, ethanol)
- sterilizable by β-rays (25kGy)
- micro wave suitable
- attention should be paid to:

▪ Application instructions

- to obtain accurate results you MUST clean your product thoroughly before first use.
- the used raw material will tolerate temperatures up to max. 80°C
- do not expose the product to open flames or heaters
- use automatic dishwashers and standard washing-up liquids for cleaning
- do never use abrasives or steel wool for cleaning

▪ Chemical resistance

- at room temperature (+20°C) very good chemical resistance to acids, alkalis and aldehydes alcohols
- limited chemical resistance to aliphatic, aromatic and halogenated hydrocarbons, ketones, esters and ethers)
- do not use in combination with oxidizing acids and oxidizing agents
- limitations due to higher temperatures (50°C)

▪ Temperature resistance

- -50°C up to +80°C



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Material

Polypropylene [PP]

■ Properties

- good transparency
- virtually unlimited usable
- autoclavable (121°C, t_e 20 min according to DIN)
- sterilizable by chemicals (formalin, ethanol)
- limited sterilizable by β-rays (25kGy)
- micro wave suitable
- attention should be paid to:

■ Application instructions

- to obtain accurate results you MUST clean your product thoroughly before first use.
- the used raw material will tolerate temperatures up to max. 125°C
- do not expose the product to open flames or heaters
- use automatic dishwashers and standard washing-up liquids for cleaning
- do never use abrasives or steel wool for cleaning

■ Chemical resistance

- at room temperature (+20°C) very good chemical resistance to acids, alkalis aliphatic hydrocarbons alcohols and aldehydes
- limited chemical resistance to aromatic and halogenated hydrocarbons, ketones, esters and ethers
- do not use in combination with oxidizing acids and oxidizing agents
- limitations due to higher temperatures (50°C)

■ Temperature resistance

- 0°C up to +125°C