

## Narrow- and Wide-Neck UN Bottles

- ▶ The highest quality standard on UN Approved bottles for packaging highly purified or hazardous solids and liquids



## Mauser Packaging Solutions Narrow- and Wide-Neck with UN approval

Very specific requirements apply to the filling, transport, storage and handling of highly purified or hazardous chemicals. Often to be used in laboratories, institutes or the semiconductor industry already small quantities are to be handled under strictest regulations and with special care. Mauser Packaging Solutions high-quality UN-certified plastic bottles are perfectly suited to meet the highest standards which apply in these areas. As narrow-neck bottle design for liquids or as wide-neck bottle design for solids, the Mauser Packaging Solutions UN bottles represent today's international standard for handling hazardous goods on laboratory scale and volume.

Mauser Packaging Solutions UN-certified bottles are characterized by their rigid design and steady base. They are available in various sizes. One piece blow moulded from high-density polyethylene our UN-bottles provide excellent chemical compatibility and cleanliness. Their rectangular base saves space and enables easy palletization. Due to their DIN screw threading and adjusted dimensions, they add up to a high-performance packaging system. This makes our UN-certified plastic bottles your first choice when you need increased safety at an economical price.

### Technical features

#### UN Powder Bottles

Nominal volume [mL]	125	250	500	750	1000	1500	2500	7000
Brimful volume [mL]	220	300	650	1050	1300	2200	3050	7300
Weight [g]	26	35	47	70	80	120	160	320
Length [mm]	60	75	75	97	97	127	127	168
Width [mm]	60	75	75	97	97	127	127	168
Height [mm]	106	102	166	179	211	218	278	368
Height labeling panel [mm]	42	47	92	69	101	100	160	232
Neck opening [mm]	31	50				68		
Closure	KS40		KS60			KS80		
UN homologation		X2/S				X3/S	X4/S	t.b.a.

#### UN Liquid Bottles

Nominal volume [mL]	500	1000	2500	5000
Brimful volume [mL]	600	1200	2800	5700
Weight [g]	50	88	160	300
Length [mm]	Ø 78	97	127	168
Width [mm]	Ø 78	97	127	168
Height [mm]	175	212	282	332
Height labeling panel [mm]	87	101	144	123
Neck opening [mm]	28			
Closure	S45X4			
UN homologation	X1.3/250*	X1.4/250*	X1.4/250*	X1.5/250*

Footnote: nominal figures, subject to tolerances. \* Special UN-approval for nitric acid 70% available.

### Comprehensive quality assurance

Mauser Packaging Solutions is certified according to ISO 9001 and ISO 14001 standards. Our company's production processes are subject to constant quality control as well as external monitoring in regard to development, production, sales and services of blow molding machines.

### Characteristic Features

**Body:** One piece extrusion blow molded from high density polyethylene (HDPE); excellent chemical compatibility, particularly resistant to stress-cracking and oxidization. All materials used comply to FDA and EU food contact regulations.

**Standard color:** Natural or white for improved light protection.

**Wide-neck bottles:** Massive polyethylene buttress thread screw cap closure with integrated tamper evidence ring. Cap design with tamper evident ring being in line with outer cap diameter – no damage to closures before use. Tamper evident ring stays on bottle after opening. Gasket as integrated PE barrel gasket or foamed PE ring.

**Narrow-neck bottles:** S45x4 closure with inlaid tamper evidence ring. Gasket materials: PE or PTFE. Optionally available as degassing closure.

**Options:** For certain products, we can provide customized models at special weights.

### Specific Advantages

- ▶ Suitable for highly purified and hazardous liquids - solids and liquids
- ▶ Excellent chemical compatibility - being made from HDPE UN-approved
- ▶ Available as wide-neck bottle for solids and narrow-neck bottle for liquids
- ▶ Various sizes, all with standard DIN-thread opening for easy handling and filling
- ▶ Stable and easy to label due to spherical geometry

### The individual blow molding solution

Besides supplying our standard high performance blow molding machines, Mauser Packaging Solutions experts are always ready to engineer tailor-made blow molding production lines including all peripheral equipment. Individual blow molding solutions for you and your specific requirements. **Ask us! We would be happy to advise you.**

## Mauser Packaging Solutions

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