

## Chemical product data sheet

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### Article description

STAEDTLER **pigment liner 308** · fineliner for use with rulers and templates

### Constituents

Inks:	Water-based Carbon black Resin-based binding agent Additives, like propylene glycol as a wetting agent		
Holder:	Plastics / Metals:		
	Barrel / end plug:	PP	
	Cap / end plug:	PP	
	Clip:	Metal, nickel-plated	
	Metal-clad tip:	Metal, nickel-plated with a tin-cobalt protecting coating	
Packaging:	STAEDTLER Box	308 WP	PP
	Technic-Set	308 C63:	PS / SAN, insert PS

PP: polypropylene, PS: polystyrene, SAN: styrene acrylonitrile copolymers

### Toxicology

Not harmful if used in the proper manner.  
STAEDTLER products are subject to comprehensive quality inspections.

### Conformity

STAEDTLER pigment liner 308 meet the standards:

ISO 14145-2	Rollerball pens and refills — Part 2: Documentary use (DOC) Test based on rollerball standard ISO 14145-2 (indelible ink)  The documentary use was additionally tested by the Federal Institute for Materials Testing.
ISO 11540	'Caps for writing and marking instruments intended for use by children up to 14 years of age — Safety requirements'.  Ventilated caps reduce the danger of asphyxiation for children up to the age of 14 should caps be swallowed accidentally.
ASTM D-4236	Tested for the USA by toxicologists from the Art & Creative Material Institute, Inc. (ACMI) The above mentioned products conform to US standard ASTM D-4236.
ISO 554	Standard atmospheres for conditioning and/or testing — Specifications. This standard contains the test parameters for the dry safe properties.

### Usage notes

Dry safe:	Pens can be left uncapped for 18 hours without drying up.
Archiving - document use:	Suitable for archival purposes, e.g. libraries, scrapbooks: Indelible, light-fast, waterproof, 'acid-free' (pH-value > 7).
Line widths:	0,05-0,1-0,2-0,3-0,4-0,5-0,6-0,7-0,8 mm
Airplane-safe:	Automatic pressure equalisation prevents the pens from leakage during flight.