

## Chemical product data sheet

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### Article description

**STAEDTLER® Lumocolor® non-permanent universal pen 311, 312, 315, 316**

### Constituents

Inks:	Water / alcohol mix- e.g. with propanol		
	Dyestuffs – colouring agents containing toxic heavy metals are not used		
	Resin and additive		
Holder:	Plastics:		
	Barrel	311, 312, 315, 316:	PP
	Cap	311, 312, 315, 316:	PP
	Sealing (Cap)	311, 312, 315, 316:	PE
Refill station:	487 15:		PP
Packaging:	STAEDTLER box:	311, 312, 315, 316 WP	PP
PP: polypropylene, PE: polyethylene			

### Toxicology

Not harmful if used in the proper manner.  
Staedtler products are subject to comprehensive quality inspections.  
EC safety data sheets for the refill station 487 15 can be provided to commercial buyers.

### Conformity

STAEDTLER Lumocolor non-permanent universal pens meet the standards:

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 the US standard ASTM D-4236.

### Usage notes

Refill station:	Art.no. 487 15, colours red, blue, green and black
Marking:	No ink migration when used on STAEDTLER overhead film. Please test on other surfaces first. Not suitable for use on coated surfaces whose top layer can be easily removed.